2017 - 2018年版

ポリマー総合カタログ

多腕型試料・星型試料・櫛型試料　編

株式会社　ゼネラルサイエンスコーポレーション

はじめに

重要なお知らせ ： 容量設定の追加

この度、ポリマーソース ***Polymer Source*** 社では従来の容量に変わり、お客様の多様なニーズにお応えするため **「0.5g」 ・「1g」 ・ 「2g」 ・「5g」** の容量設定に改訂しました。
本カタログの容量の記載は基本的な 1g での記載ですが、上記の容量での対応可能ですので
ご遠慮なくお申し付けください。

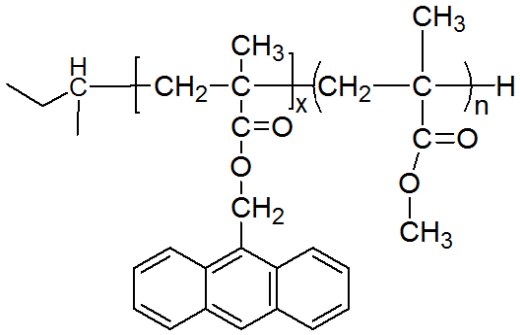
各ポリマーには出来る限り、CAS No. および構造式を記載しておりますが記載がないポリマーもございます。
また、予告なく製品自体の終了・容量・価格等の変更がございます。併せてご了承下さい。

記載されているカタログ番号は、同時にロット番号となります。
従いまして、記載されている型番が在庫終了になりますと同じスペックの製品はご提供できない事になります。
代替品がある場合はお知らせ致しますので、お含み下さいますようお願い致します。

納期： 原則、ご下命後約1-2週間でお届けできます。

☆ 海外送料等について:
従来は、品代金に海外送料を含めてのご案内でしたが、複数点ご購入のユーザー様には海外送料の重複の弊害がございました。
その弊害を解消するため、品代金と海外送料を分けて、ご注文点数に係わらず1回のご注文に付き海外送料1回分といたしました。
カタログに表記しております金額は海外送料を含んでいない金額です。
詳しくはお問い合わせ下さい。

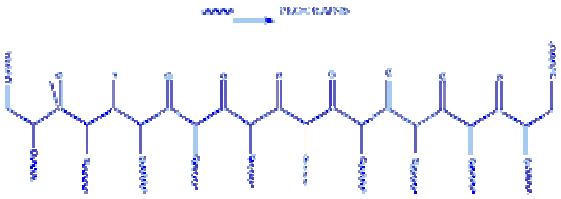
(Anthracenyl-MMA)-labelled Poly(Methyl Methacrylate)



Comments: x: number of anthracenyl-MMA units

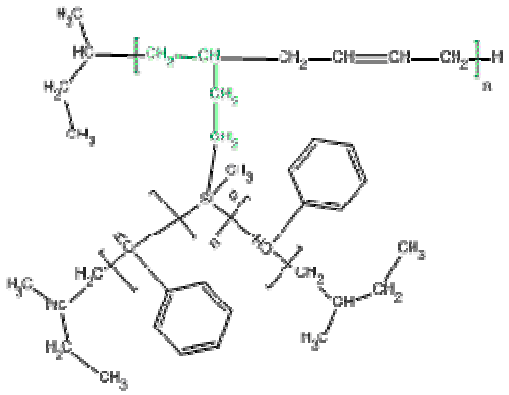
P19670-MMAAn	Mn x 10^3 : 10.5	Mw/Mn : 1.13	x=1	1g
P19690-MMAAn	Mn x 10^3 : 27.5	Mw/Mn : 1.28	x=2	1g

12-arm Poly(ethylene oxide) Hydroxy terminated, Decaglycerol Core



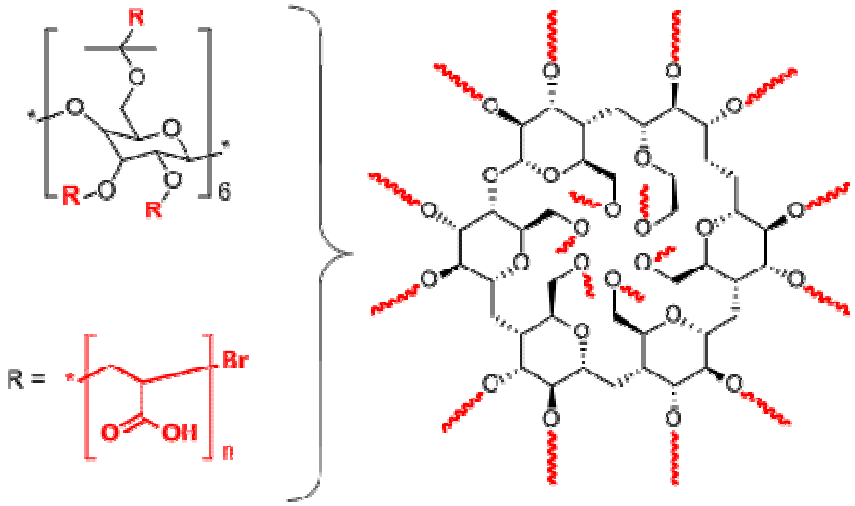
P18202-12EOOH	Mn x 10^3 : 12	Mw/Mn : 1.2	0.5g

12-arm Polystyrene



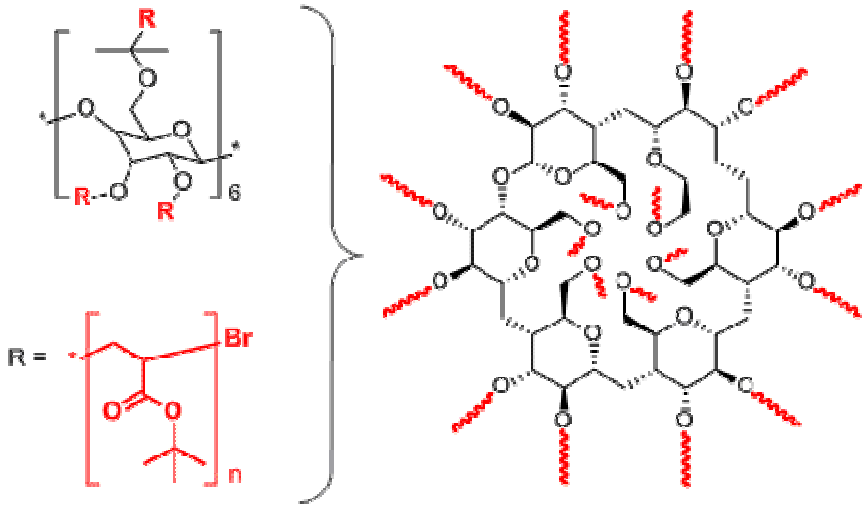
P18375C-12S	Mn x 10^3 : 1	Mw/Mn : 1.07	Total Mn: 13,500	1g

13-Arm Poly(Acrylic Acid), core: cyclodextrin



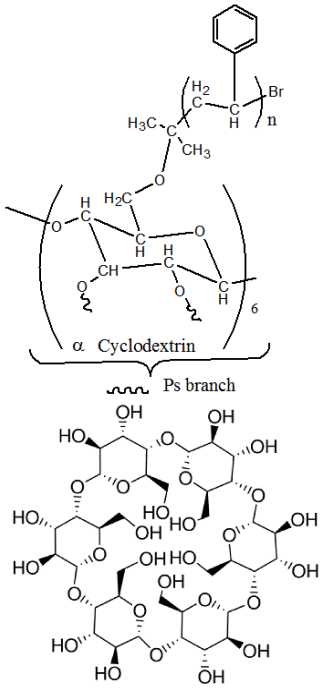
P20137A-13AA	Mn x 10^3 : 5.5	Mw/Mn : 1.25	Total Mn: 70,000	1g

13-Arm Poly(t-Butyl acrylate), core: cyclodextrin



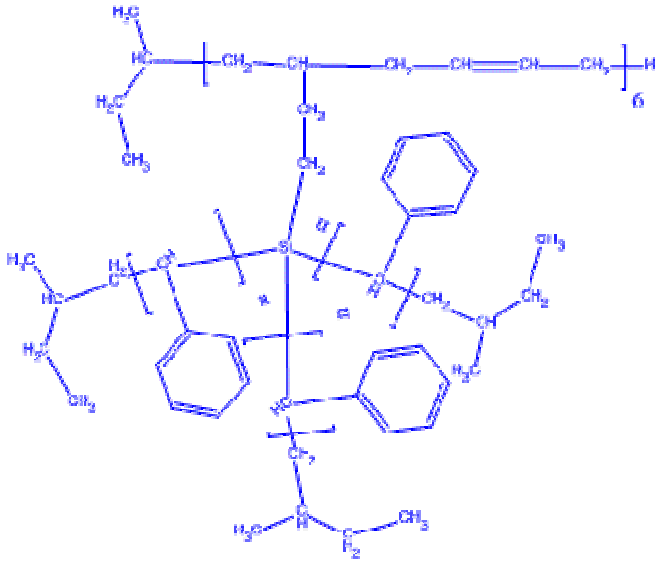
P20137-13tBuA	Mn x 10^3 : 9.5	Mw/Mn : 1.25	Total Mn: 124,00	1g

13-Arm Polystyrene, core: alfa-Cyclodextrin



P20132-13S	Mn x 10^3 : 6.5	Mw/Mn : 1.46	Mn total:83,000	0.5g

13-Arm Polystyrene, core: polybutadiene

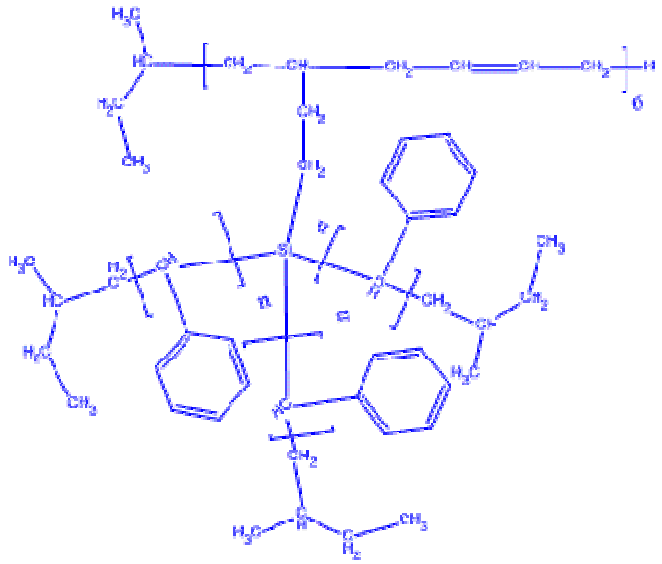


P18480A-13S	Mn x 10^3 : 1.2	Mw/Mn : 1.16	Mn total:16,000	0.5g
P18417-13S	Mn x 10^3 : 3	Mw/Mn : 1.08	Mn total: 40,000	0.5g

14-Arm Poly(styrene-b-methyl methacrylate) bearing alpha Cyclodextrin as a core

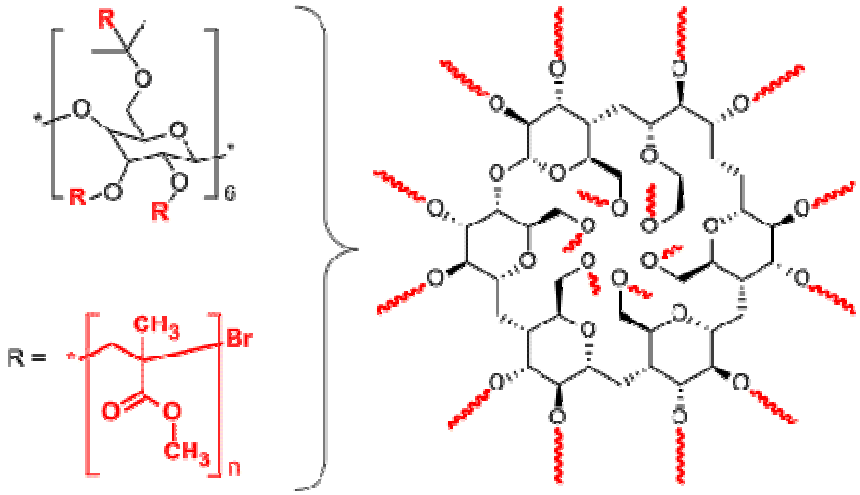
P20144A-14SMMA	Mn x 10^3 : 10.7	Mw/Mn : 1.32	Mn total: 269,400	1g

14-Arm Polystyrene



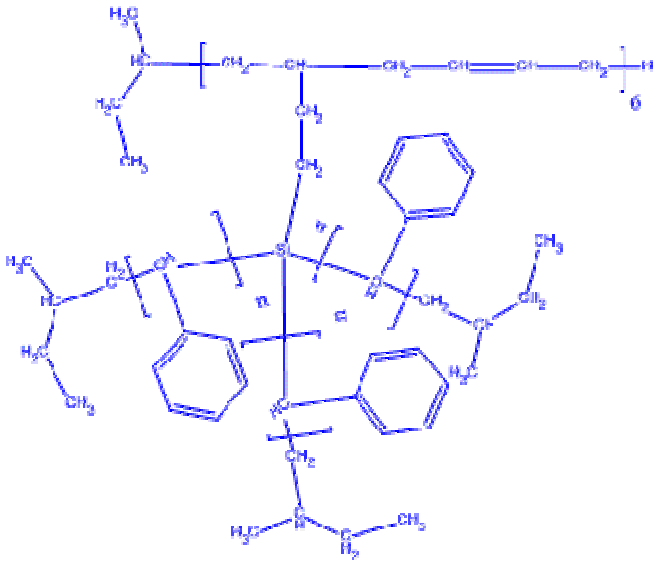
P18412-14S	Mn x 10^3 : 1.4	Mw/Mn : 1.06	Mn total: 18,500	0.5g

16-Arm Poly(Methyl Methacrylate), core: cyclodextrin



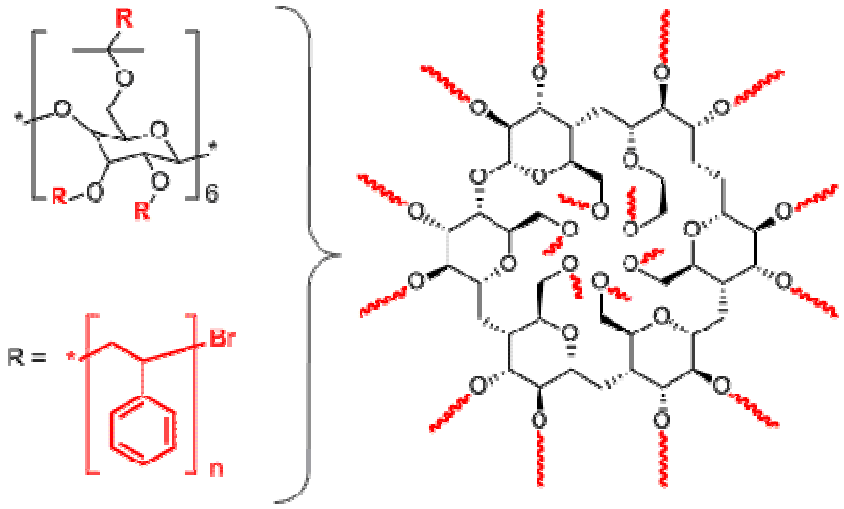
P20136-16MMA	Mn x 10^3 : 20	Mw/Mn : 1.45	Total Mn: 312,000	1g

16-Arm Polystyrene, core: polybutadiene



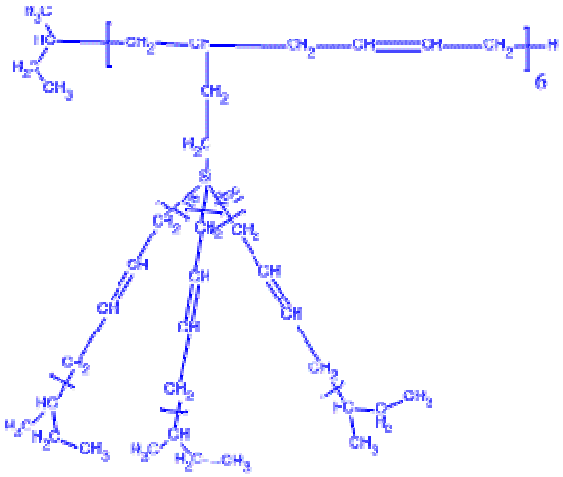
P18399-16S	Mn x 10^3 : 1.1	Mw/Mn : 1.08	Mn total: 17,000	0.5g

17-Arm Polystyrene, core: cyclodextrin



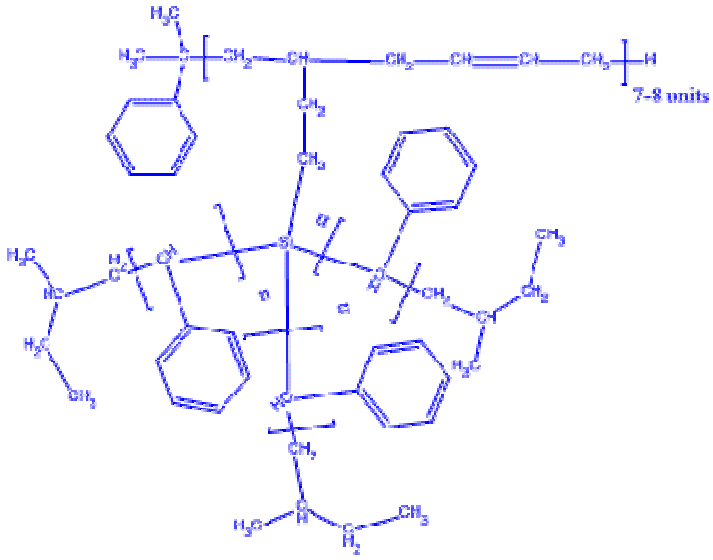
P20147-17S	Mn x 10^3 : 88	Mw/Mn : 1.28	Total Mn: 1,515,000	1g

18-Arm Polybutadiene (1,4 addition)



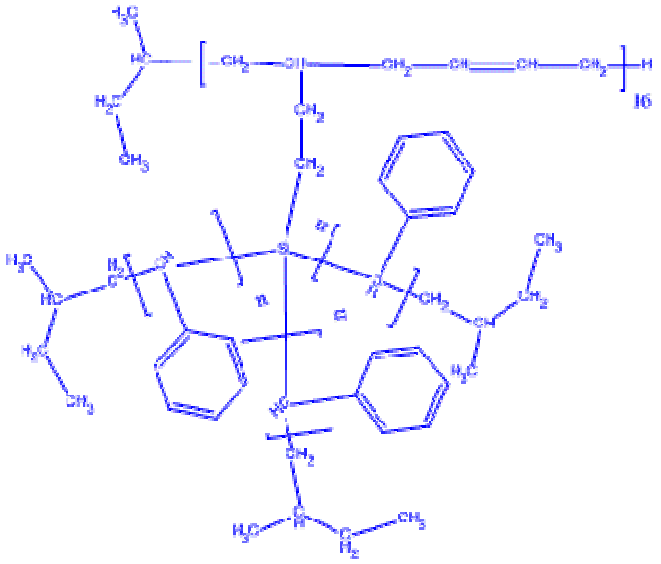
P18414-18Bd	Mn x 10^3 : 1	Mw/Mn : 1.1	Mn total: 17,000	0.5g
P18413-18Bd	Mn x 10^3 : 1	Mw/Mn : 1.1	Mn total: 19,000	0.5g

20-Arm Polystyrene



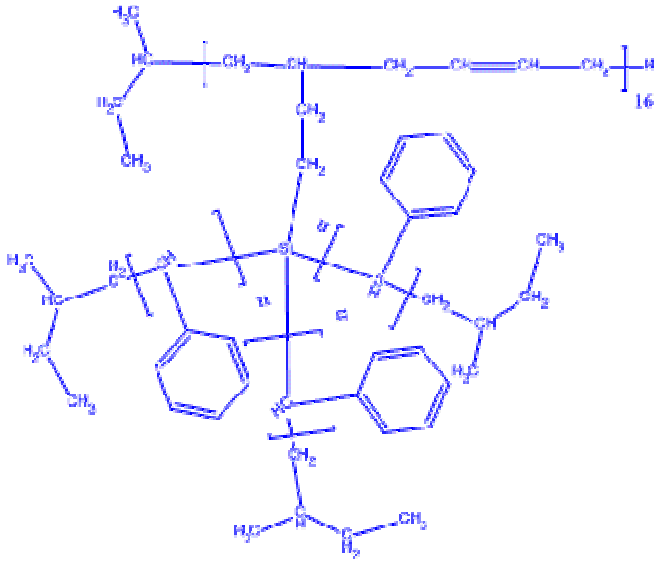
P18480-20S	Mn x 10^3 : 1.2	Mw/Mn : 1.3	Mn total: 24,500	0.5g

30-Arm Polystyrene



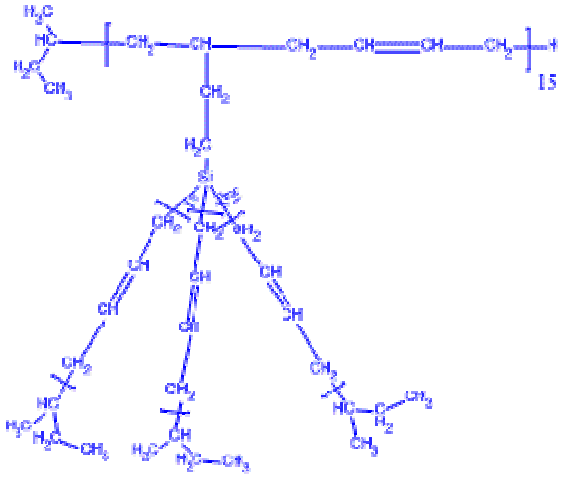
P18406-30S	Mn x 10^3 : 1	Mw/Mn : 1.06	Mn total: 30,500	0.5g

32-Arm Polystyrene



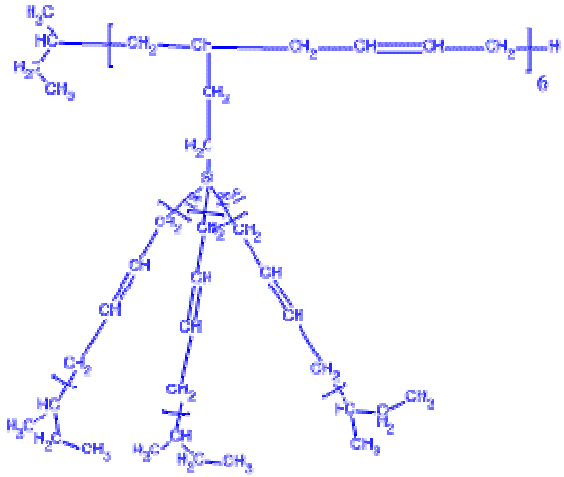
P18405-32S	Mn x 10^3 : 1	Mw/Mn : 1.06	Mn total: 32,500	0.5g

36-Arm Polybutadiene (1,4 addition)



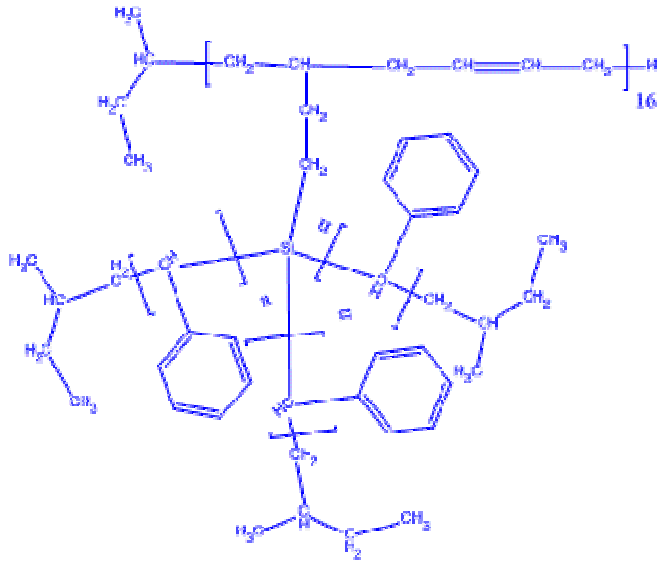
P18407-36Bd	Mn x 10^3 : 0.8	Mw/Mn : 1.07	Mn total: 29,000	1g

38-Arm Polybutadiene (1,4 addition)



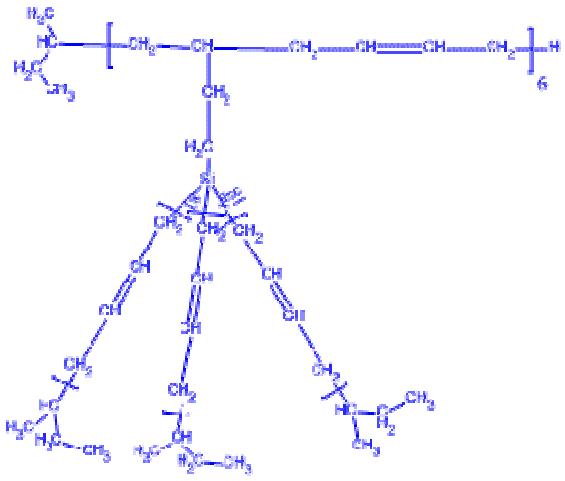
P18403-38Bd	Mn x 10^3 : 0.9	Mw/Mn : -	Mn total: 35000	1g

47- Arm Polystyrene



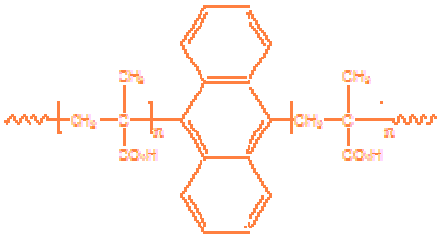
P18400-47S	Mn x 10^3 : 1	Mw/Mn : 1.05	Mn total:47,500	0.5g

50-Arm Polybutadiene (1,4 addition)



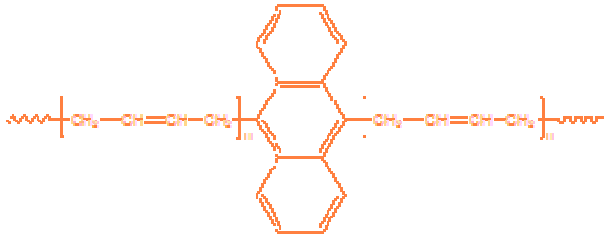
P18408-50Bd	Mn x 10^3 : 0.7	Mw/Mn : 1.07	Mn total: 35,000	1g

Anthracene Labeled Poly(methacrylic acid)



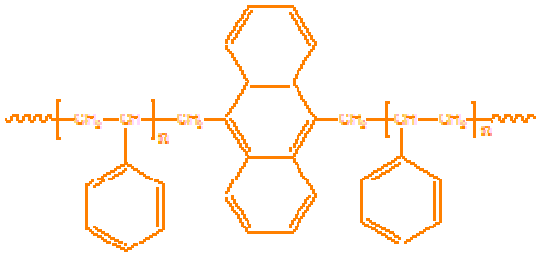
P2998-MAAAnMAA	Mn x 10^3 : 8	Mw/Mn : 1.1	0.5g

Anthracene Labeled Polybutadiene (1,4 addition)



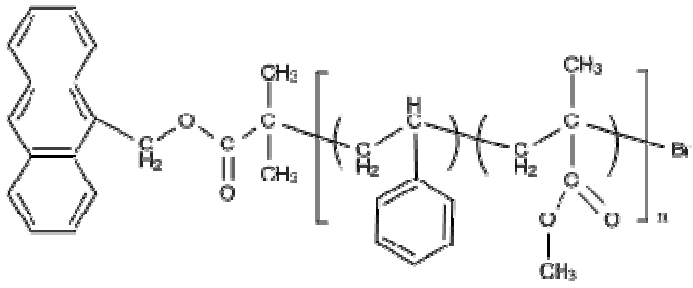
P2268-BdAnBd	Mn x 10^3 : 82.4	Mw/Mn : 1.07	0.5g
P2271-BdAnBd	Mn x 10^3 : 116	Mw/Mn : 1.05	0.5g

Anthracene Labeled Polystyrene



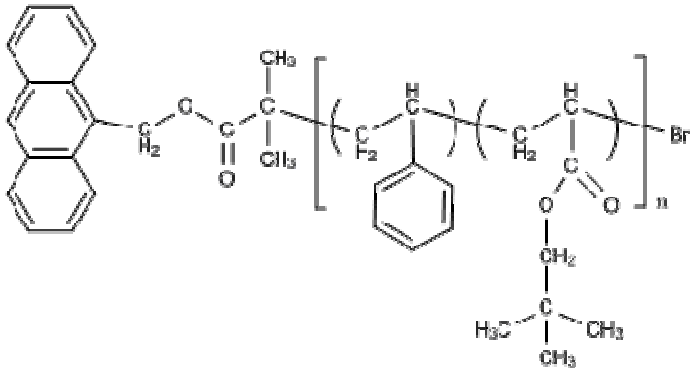
P6097-SAnS	Mn x 10^3 : 98.6	Mw/Mn : 1.1	0.5g
P458-SAnS	Mn x 10^3 : 686.1	Mw/Mn : 1.11	0.5g
P690-SAnS	Mn x 10^3 : 883	Mw/Mn : 1.14	0.5g
P694-SAnS	Mn x 10^3 : 1,737.8	Mw/Mn : 1.15	0.5g
P695-SAnS	Mn x 10^3 : 2,111	Mw/Mn : 1.13	0.5g

Anthracene-terminated Poly(Styrene-co-Methyl Methacrylate) random copolymer



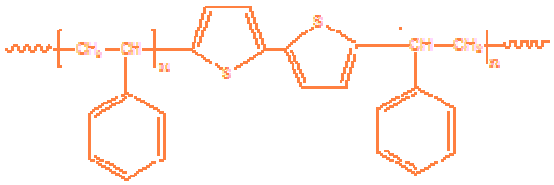
P14971-SMMAran-An	Mn x 10^3 : 31	Mw/Mn : 1.26	1g

Anthracene-terminated Poly(Styrene-co-tert-Butyl Acrylate) random copolymer



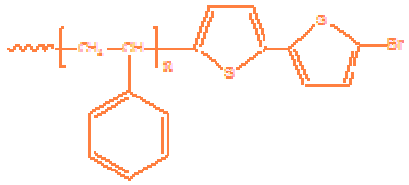
P14972-StBuAran-An	Mn x 10^3 : 10.5	Mw/Mn : 1.1	1g

Bithiophene Labeled Polystyrene



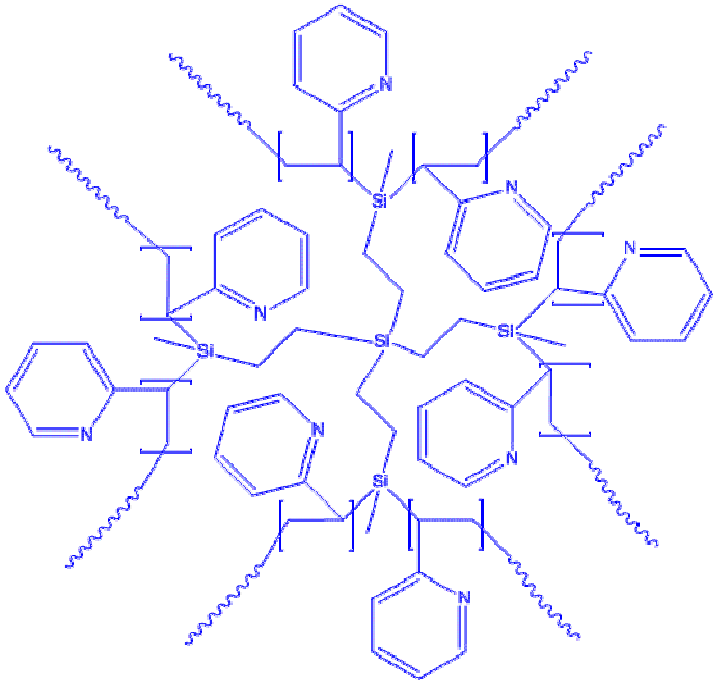
P1699-STS	Mn x 10^3 : 35	Mw/Mn : 1.09	0.5g

Bromo-bithiophene Labeled Polystyrene



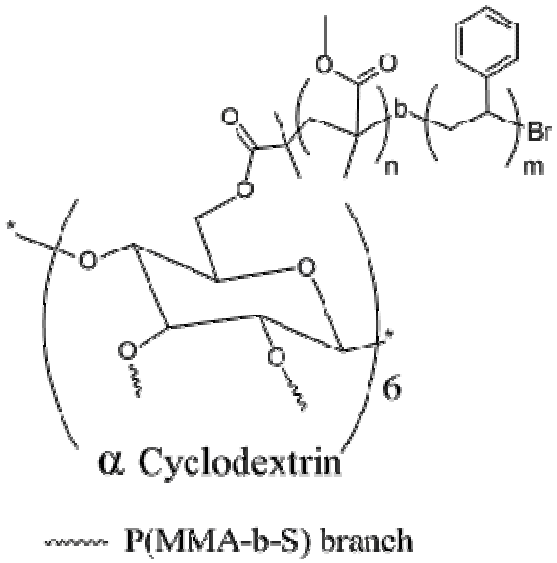
P1676-STTBr	Mn x 10^3 : 22.6	Mw/Mn : 1.05	0.5g
P1678-STTBr	Mn x 10^3 : 24	Mw/Mn : 1.1	0.5g
P1699-STTBr	Mn x 10^3 : 35	Mw/Mn : 1.1	0.5g
P1709-STTBr	Mn x 10^3 : 35	Mw/Mn : 1.05	0.5g

Eight-Arms Poly 2 Vinyl pyridine



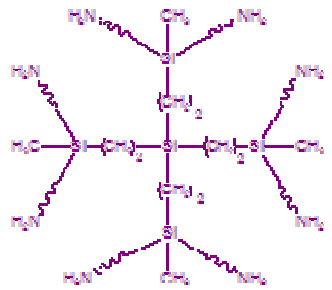
P11297-8-2VP	Mn x 10^3 : 8.5	Mw/Mn : 1.09	0.5g

Eight-Arms Poly((methylmethacrylate)-b-styrene), core: alpha cyclodextrin



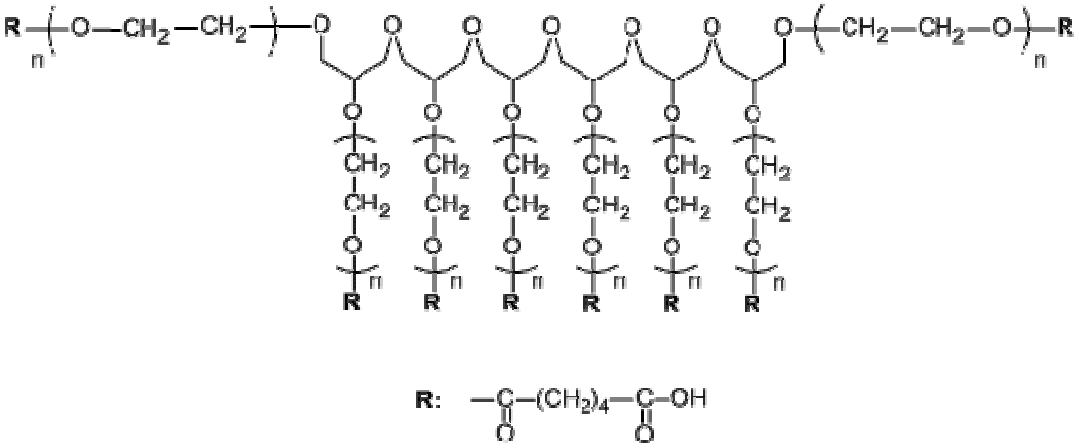
P20142-2-8MMAS	Mn x 10^3 : 5.3	Mw/Mn : 1.28	total Mn: 41,000	1g

Eight-Arms Poly(ethylene oxide) Amino Terminated



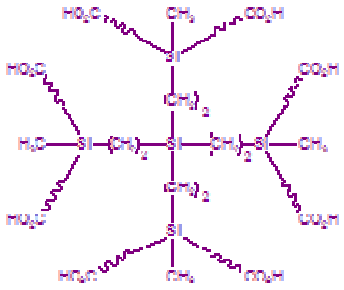
詳細についてはお問合せ下さい。

Eight-Arms Poly(ethylene oxide) Carboxy Terminated-(Glutaric acid)



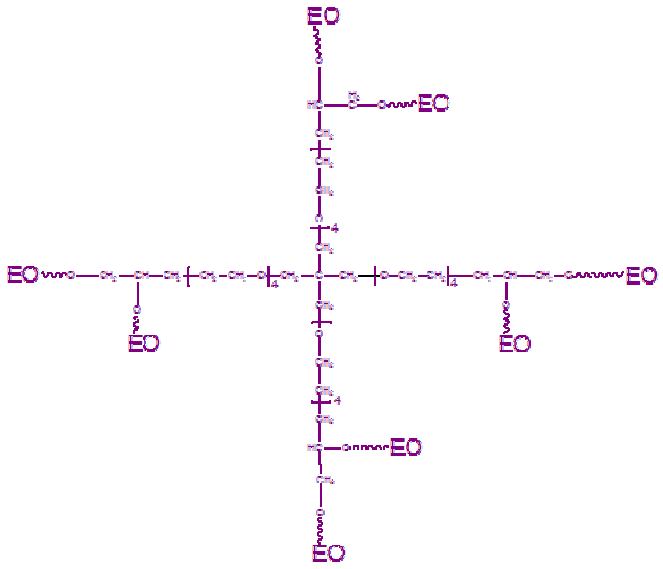
P18197A-8EOCOOH	Mn x 10^3 : 14.5	Mw/Mn : 1.17	0.5g

Eight-Arms Poly(ethylene oxide) Carboxy Terminated-Silicon Core



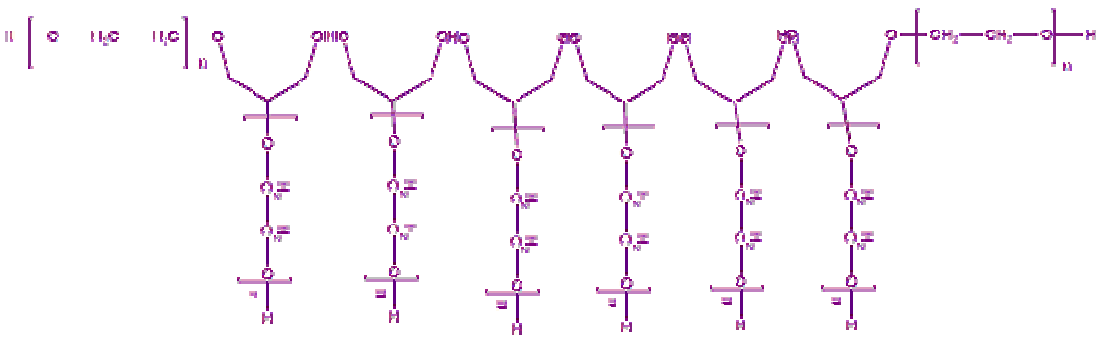
詳細についてはお問合せ下さい。

Eight-Arms Poly(ethylene oxide) Hydroxy Terminated, Dipentaerythritol Core



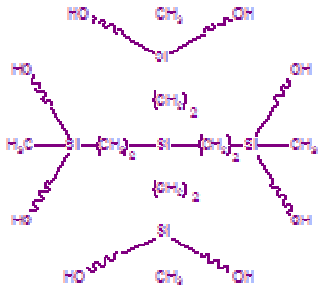
P9673-8EOOH	Mn x 10^3 : 10	Mw/Mn : 1.2	0.5g

Eight-Arms Poly(ethylene oxide) Hydroxy Terminated, Hexaglycerol Core



詳細についてはお問合せ下さい。

Eight-Arms Poly(ethylene oxide) Hydroxy Terminated, Silane core

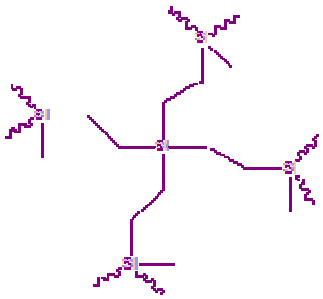


P3290-8EOOH	Mn x 10^3 : 7	Mw/Mn : 1.08		0.5g
P18197-8EOOH	Mn x 10^3 : 14.5	Mw/Mn : 1.17		0.5g

Eight-Arms PolyButadiene

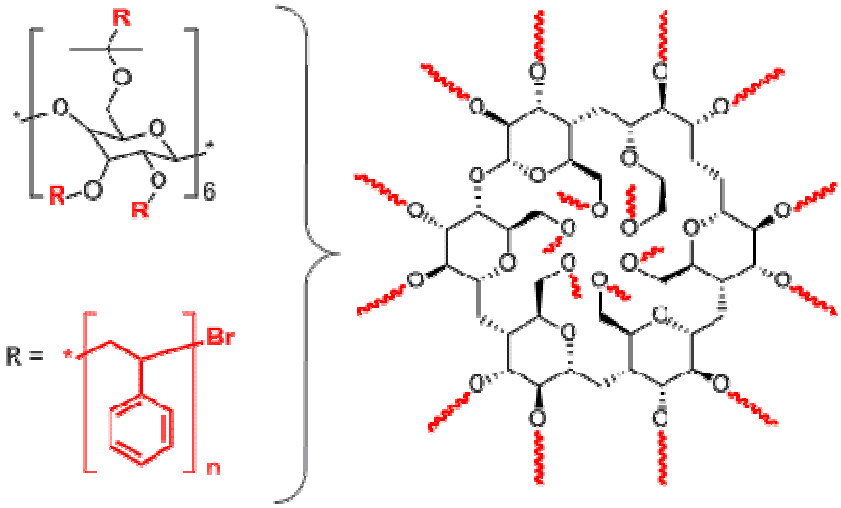
P18385--8Bd	Mn x 10^3 : 24	Mw/Mn : 1.04	Total Mn=178,000	0.5g

Eight-Arms Polydimethylsiloxane



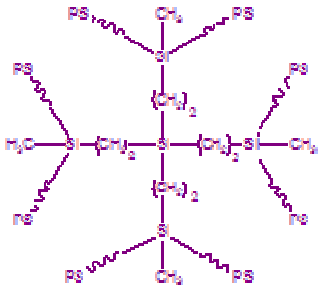
詳細についてはお問合せ下さい。

Eight-Arms Polystyrene, core: cyclodextrin



P20133C-8S	Mn x 10^3 : 10	Mw/Mn : 1.3	Total Mn: 77,000	1g

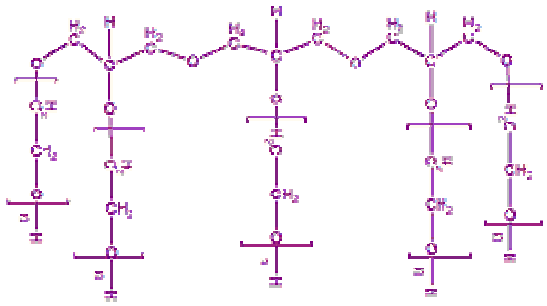
Eight-Arms Polystyrene, core: Si



Comments: M_n x 10^3 (of Branch) For 8 arms

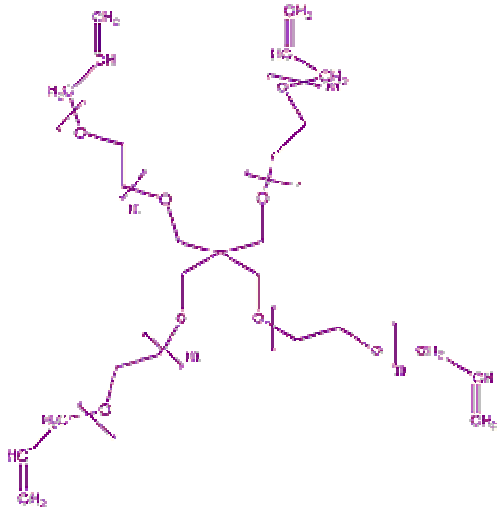
P11293-8S	Mn x 10^3 : 4.8	Mw/Mn : 1.04	Mn total: 37,300	0.5g
P11289-8S	Mn x 10^3 : 9	Mw/Mn : 1.05	Mn total: 72,000	0.5g
P314-8S	Mn x 10^3 : 25.3	Mw/Mn :		0.5g
P322-8S	Mn x 10^3 : 34.6	Mw/Mn : 1.02		0.5g
P331-8S	Mn x 10^3 : 45.5	Mw/Mn : 1.03	Mn total: 391,000	0.5g
P332-8S	Mn x 10^3 : 46.7	Mw/Mn : 1.03	Mn total: 391,000	0.5g
P11296-8S	Mn x 10^3 : 137	Mw/Mn : 1.08	Mn total: 1,137,000	0.5g

Five-Arm Poly(ethylene oxide) Hydroxy Terminated, Triglycerol Core



P9625-5EOOH	Mn x 10^3 : 6	Mw/Mn : 1.25	1g
P9635D-5EOOH	Mn x 10^3 : 8	Mw/Mn : 1.1	1g
P9635A-5EOOH	Mn x 10^3 : 9.5	Mw/Mn : 1.12	1g
P9635B-5EOOH	Mn x 10^3 : 15	Mw/Mn : 1.12	1g
P9635C-5EOOH	Mn x 10^3 : 30	Mw/Mn : 1.17	1g

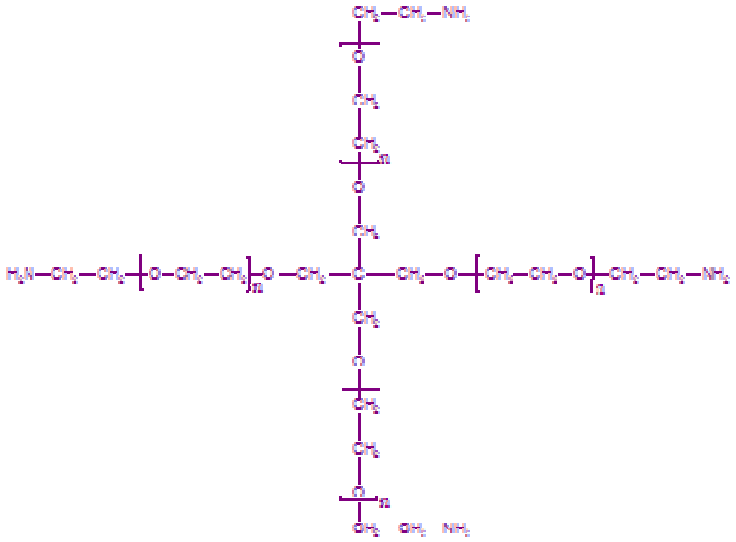
Four-Arm Poly(ethylene oxide) Allyl Terminated



Comments: Mn is the total molecular weight
Comment column: end functionality

P9143-4EOallyl	Mn x 10^3 : 0.8	Mw/Mn : 1.2	>99%	0.5g
P9144-4EOallyl	Mn x 10^3 : 10	Mw/Mn : 1.1	>95%	0.5g

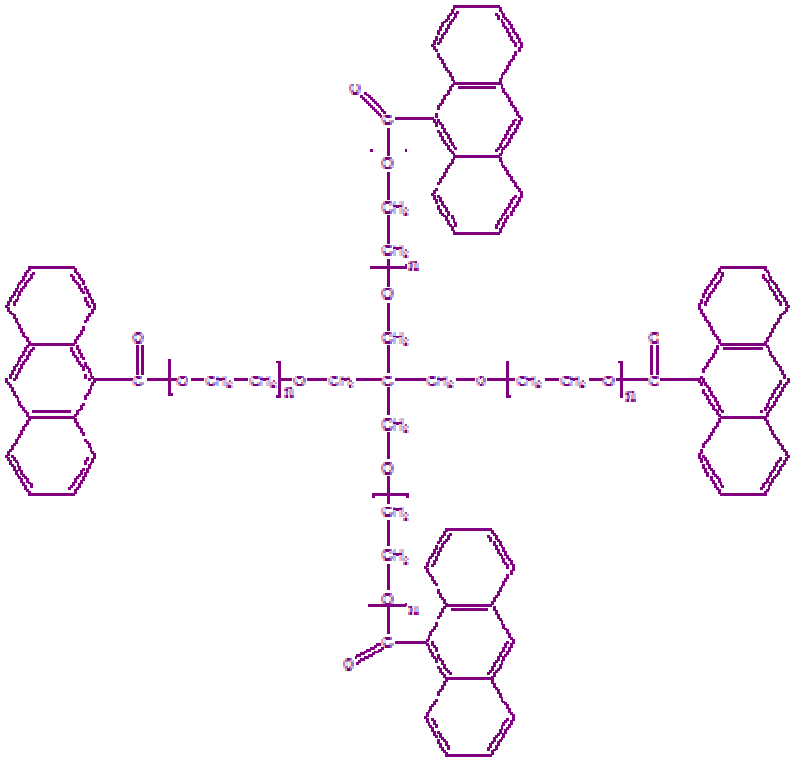
Four-Arm Poly(ethylene oxide) Amino Terminated, Pentaerythritol Core



Comments:　Functionality: 'f':

P10914-4EONH2	Mn x 10^3 : 20	Mw/Mn : 1.08	99	1g
P2979-4EONH2	Mn x 10^3 : 10	Mw/Mn : 1.08	98%	1g
P6703-4EONH2	Mn x 10^3 : 10	Mw/Mn : 1.08	95%	1g
P9750-4EONH2	Mn x 10^3 : 11	Mw/Mn : 1.09	95%	1g
P6468-4EONH2	Mn x 10^3 : 19	Mw/Mn : 1.09	99%	1g
P8624-4EONH2	Mn x 10^3 : 30	Mw/Mn : 1.15	90%	1g
P6495-4EONH2	Mn x 10^3 : 41	Mw/Mn : 1.09	>82%	1g
P8600-4EONH2	Mn x 10^3 : 41	Mw/Mn : 1.09	90%	1g

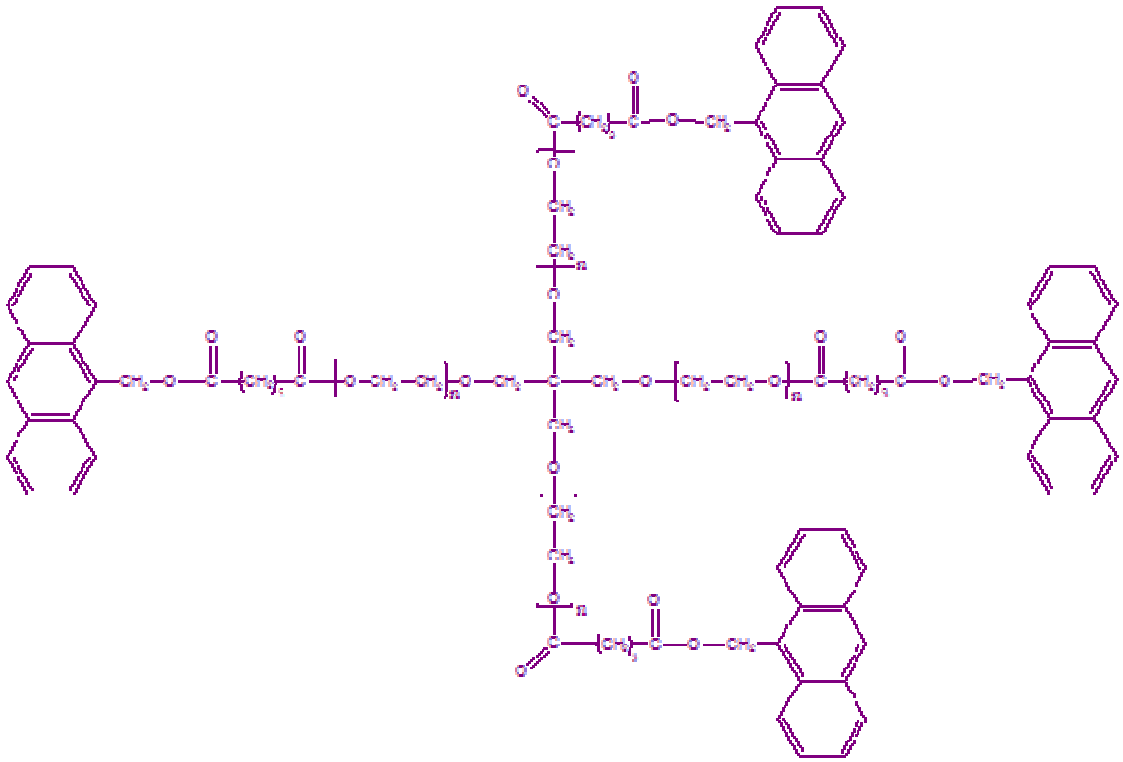
Four-Arm Poly(ethylene oxide) Anthracene Terminated, Pentaerythritol Core (1)



Comments:　Comments Column: "f"

P3458A-4EOAn	Mn x 10^3 : 9	Mw/Mn : 1.3	90%	0.5g
P3427-4EOAn	Mn x 10^3 : 9.5	Mw/Mn : 1.15	90%	0.5g
P3387-4EOAn	Mn x 10^3 : 9.9	Mw/Mn : 1.12	90%	0.5g

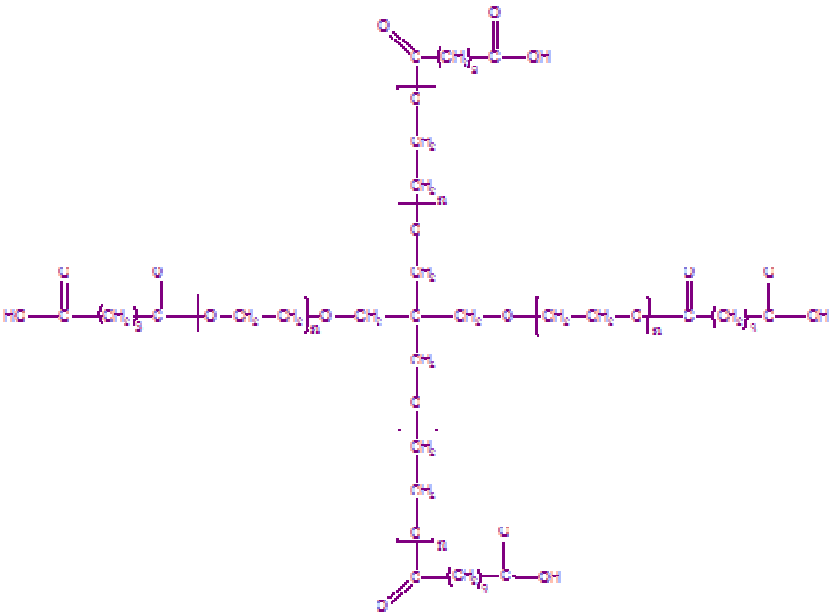
Four-Arm Poly(ethylene oxide) Anthracene Terminated, Pentaerythritol Core (2)



Comments:　Comments Column: "f"

P3464-4EOAn	Mn x 10^3 : 10	Mw/Mn : 1.1	90%	0.5g

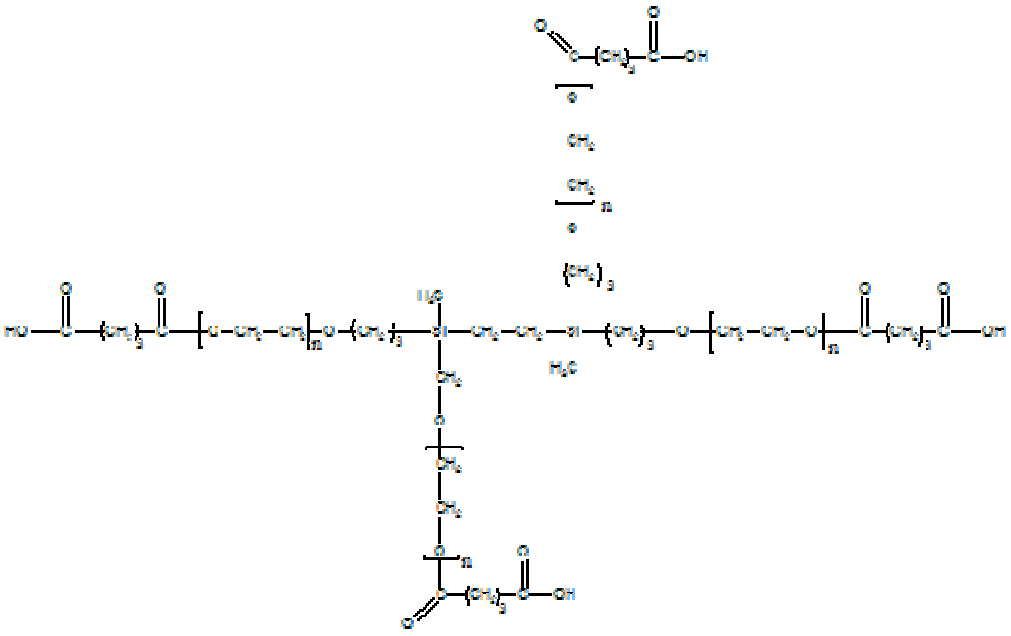
Four-Arm Poly(ethylene oxide) Carboxy Terminated, Pentaerythritol Core



Comments: In comments section : type of end group

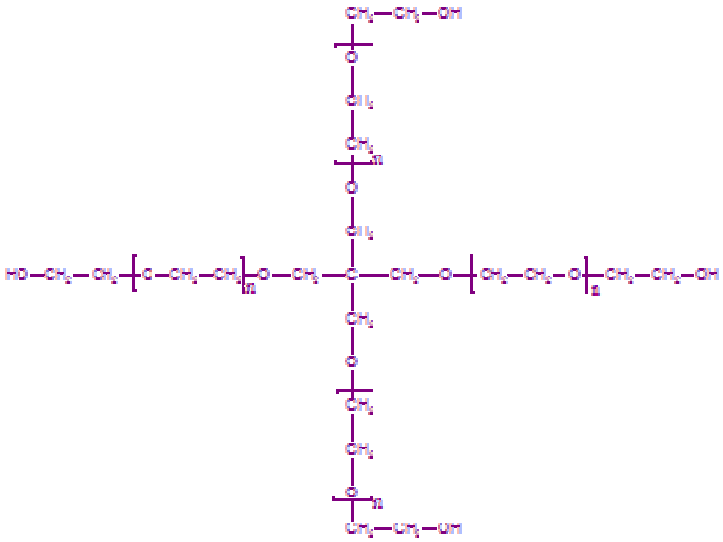
P3680-4EOCOOH	Mn x 10^3 : 0.88	Mw/Mn : 1.1	Glutaric acid	1g
P10222A-4EOCOOH	Mn x 10^3 : 1.8	Mw/Mn : 1.11	Glutaric acid	1g
P2272-4EOCOOH	Mn x 10^3 : 6.9	Mw/Mn : 1.11	Glutaric acid	1g
P2938-4EOCOOH	Mn x 10^3 : 9.8	Mw/Mn : 1.1	Glutaric acid	1g
P2948-4EOCOOH	Mn x 10^3 : 10	Mw/Mn : 1.1	Succuinic acid	1g

Four-Arm Poly(ethylene oxide) Carboxy Terminated, Silane Based Core



P3280-4EOCOOH_B	Mn x 10^3 : 5	Mw/Mn : 1.2	0.5g

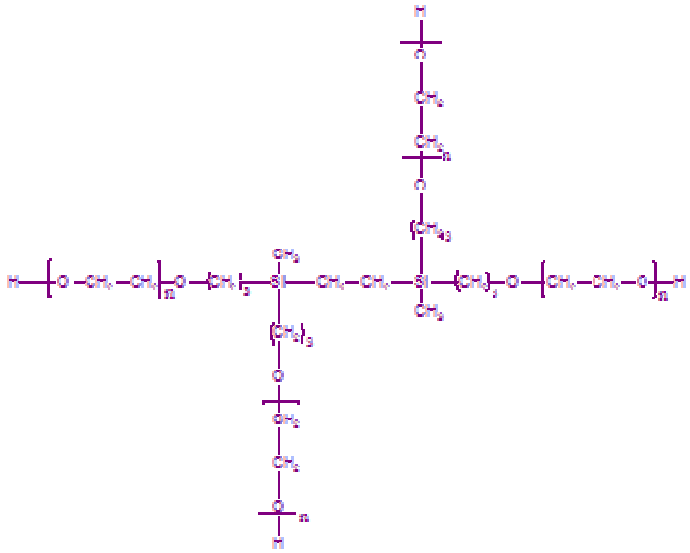
Four-Arm Poly(ethylene oxide) Hydroxy Terminated, Pentaerythritol Core



Comments: For the large quantity please call us or send the inquiry.

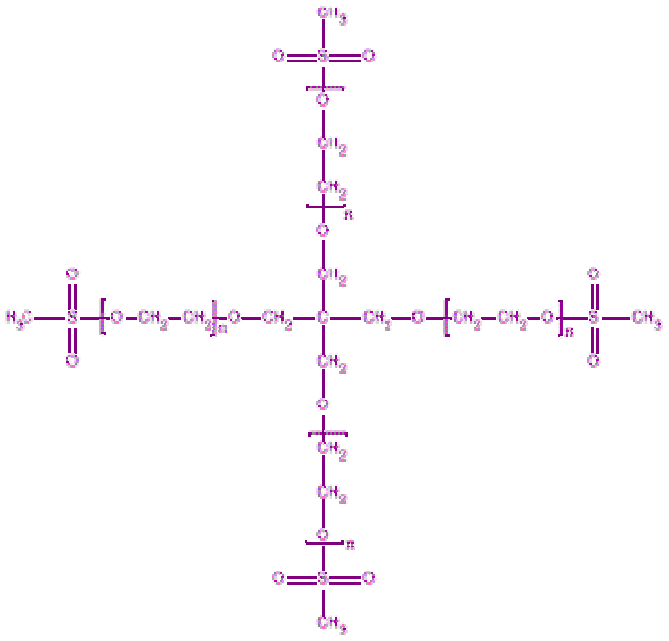
P10009A-4EOOH	Mn x 10^3 : 0.224	Mw/Mn : 1.1	1g
P10683A-4EOOH	Mn x 10^3 : 0.45	Mw/Mn : 1.25	1g
P10686A-4EOOH	Mn x 10^3 : 0.55	Mw/Mn : 1.25	1g
P10692C-4EOOH	Mn x 10^3 : 0.75	Mw/Mn : 1.1	1g
P10692F-4EOOH	Mn x 10^3 : 0.76	Mw/Mn : 1.1	1g
P10692E-4EOOH	Mn x 10^3 : 0.77	Mw/Mn : 1.1	1g
P10692G-4EOOH	Mn x 10^3 : 0.78	Mw/Mn : 1.1	1g
P9167-4EOOH	Mn x 10^3 : 0.8	Mw/Mn : 1.1	1g
P10222-4EOOH	Mn x 10^3 : 2	Mw/Mn : 1.15	1g
P2176-4EOOH	Mn x 10^3 : 2.4	Mw/Mn : 1.21	1g
P1638-4EOOH	Mn x 10^3 : 6.7	Mw/Mn : 1.14	1g
P1622-4EOOH	Mn x 10^3 : 7.4	Mw/Mn : 1.14	1g
P18184-4EOOH	Mn x 10^3 : 8	Mw/Mn : 1.15	1g
P1659-4EOOH	Mn x 10^3 : 9	Mw/Mn : 1.2	1g
P6636-4EOOH	Mn x 10^3 : 9	Mw/Mn : 1.13	1g
P1666-4EOOH	Mn x 10^3 : 9.5	Mw/Mn : 1.16	1g
P5475-4EOOH	Mn x 10^3 : 9.5	Mw/Mn : 1.08	1g
P5474-4EOOH	Mn x 10^3 : 10	Mw/Mn : 1.08	1g
P10073-4EOOH	Mn x 10^3 : 10	Mw/Mn : 1.09	1g
P10074A-4EOOH	Mn x 10^3 : 10	Mw/Mn : 1.1	1g
P10074-4EOOH	Mn x 10^3 : 10.5	Mw/Mn : 1.09	1g
P10075-4EOOH	Mn x 10^3 : 10.5	Mw/Mn : 1.1	1g
P2955-4EOOH	Mn x 10^3 : 11	Mw/Mn : 1.08	1g
P8506-4EOOH	Mn x 10^3 : 12	Mw/Mn : 1.09	1g
P1620-4EOOH	Mn x 10^3 : 13	Mw/Mn : 1.14	1g
P8504-4EOOH	Mn x 10^3 : 14	Mw/Mn : 1.14	1g
P1629-4EOOH	Mn x 10^3 : 15.5	Mw/Mn : 1.3	1g
P8524-4EOOH	Mn x 10^3 : 16.5	Mw/Mn : 1.1	1g
P8522-4EOOH	Mn x 10^3 : 19	Mw/Mn : 1.09	1g
P1626-4EOOH	Mn x 10^3 : 20	Mw/Mn : 1.15	1g
P8525-4EOOH	Mn x 10^3 : 21.5	Mw/Mn : 1.13	1g
P8526-4EOOH	Mn x 10^3 : 26	Mw/Mn : 1.13	1g
P18668-4EOOH	Mn x 10^3 : 36	Mw/Mn : 1.2	1g
P18669-4EOOH	Mn x 10^3 : 41.5	Mw/Mn : 1.12	1g
P8845-4EOOH	Mn x 10^3 : 45	Mw/Mn : 1.15	1g
P8846-4EOOH	Mn x 10^3 : 60	Mw/Mn : 1.15	1g
P10538A-4EOOH	Mn x 10^3 : 300	Mw/Mn : 1.1	1g

Four-Arm Poly(ethylene oxide) Hydroxy Terminated, Silane Based Core



P3279-4EOOH	Mn x 10^3 : 5	Mw/Mn : 1.07	0.5g
P3275-4EOOH	Mn x 10^3 : 8	Mw/Mn : 1.12	0.5g

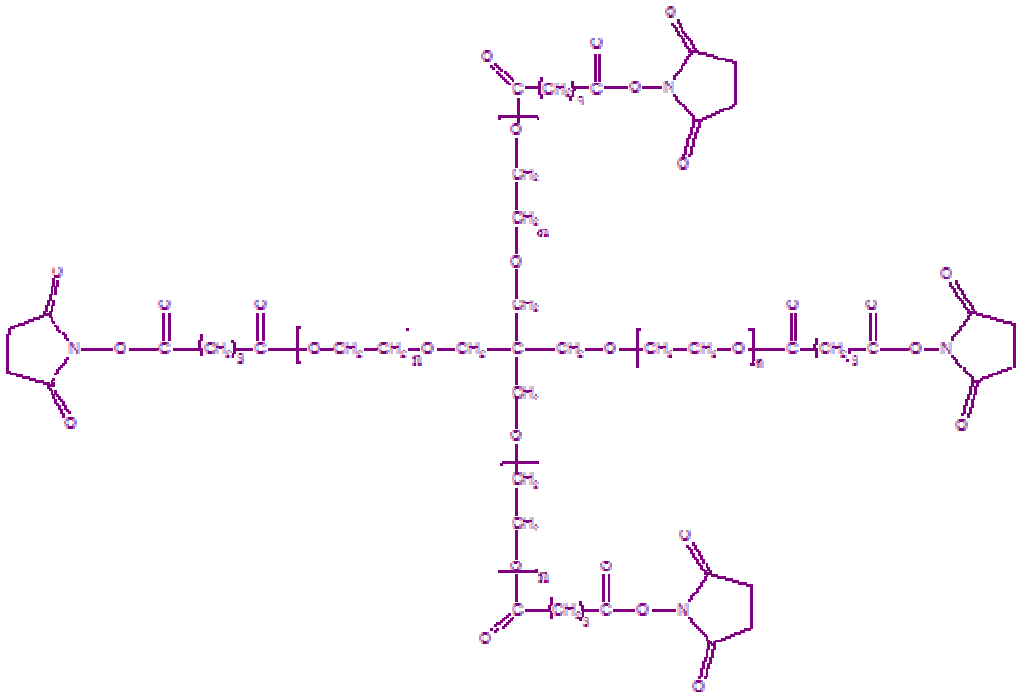
Four-Arm Poly(ethylene oxide) Mesylate Terminated, Pentaerythritol Core



Comments:　Comments column Functionality :'f'

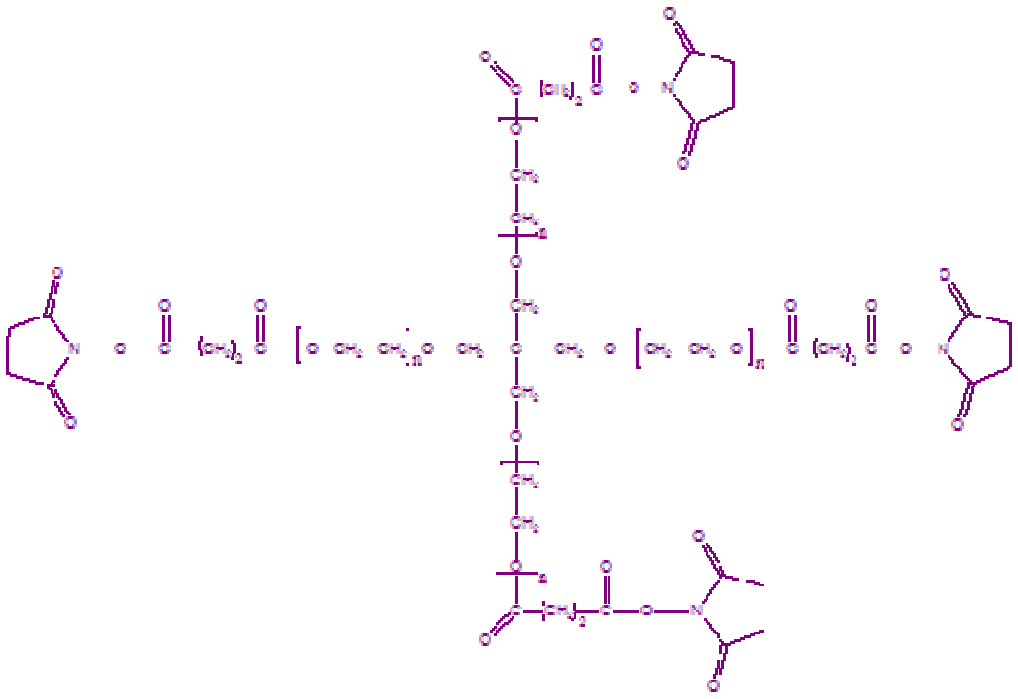
P9688-4EOMesylate	Mn x 10^3 : 8.8	Mw/Mn : 1.28	>90%	1g
P13267-4EOMesylate	Mn x 10^3 : 9.5	Mw/Mn : 1.08	>99%	1g
P8622-4EOMesylate	Mn x 10^3 : 30	Mw/Mn : 1.15	>99%	1g

Four-Arm Poly(ethylene oxide) Succinimidyl Glutarate Terminated, Pentaerythritol Core



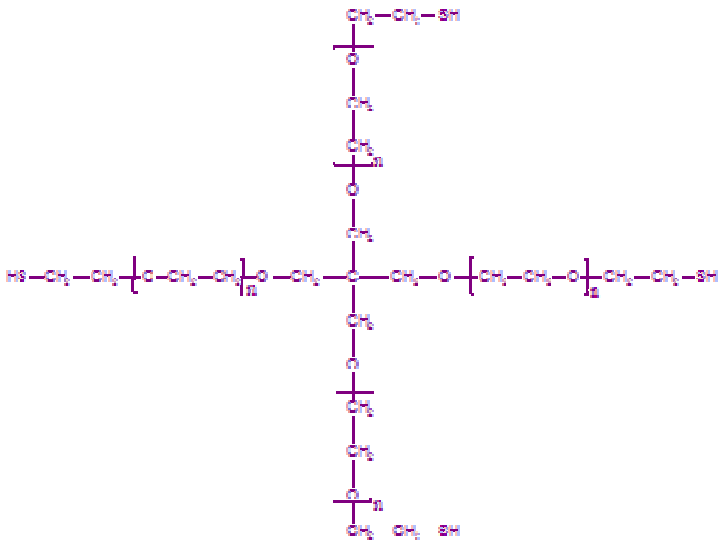
P10222B-4EOSG	Mn x 10^3 : 2.3	Mw/Mn : 1.13	1g
P10811-4EOSG	Mn x 10^3 : 2.3	Mw/Mn : 1.13	1g
P14249-4EOSG	Mn x 10^3 : 2.3	Mw/Mn : 1.13	1g
P6441-4EOSG	Mn x 10^3 : 10	Mw/Mn : 1.08	1g

Four-Arm Poly(ethylene oxide) Succinimidyl Succinate Terminated, Pentaerythritol Core



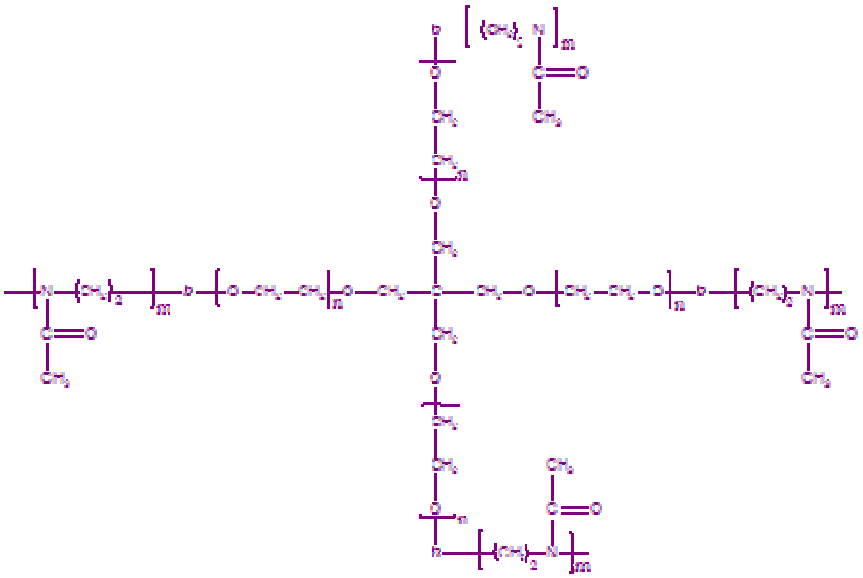
P5888-4EOSS	Mn x 10^3 : 2.3	Mw/Mn : 1.13	0.5g
P2948-4EOSS	Mn x 10^3 : 10	Mw/Mn : 1.1	0.5g
P2955-4EOSS	Mn x 10^3 : 11	Mw/Mn : 1.1	0.5g

Four-Arm Poly(ethylene oxide) Thiol Terminated, Pentaerythritol Core



P5797-4EOSH	Mn x 10^3 : 10	Mw/Mn : 1.09	0.5g
P10069-4EOSH	Mn x 10^3 : 10	Mw/Mn : 1.1	0.5g

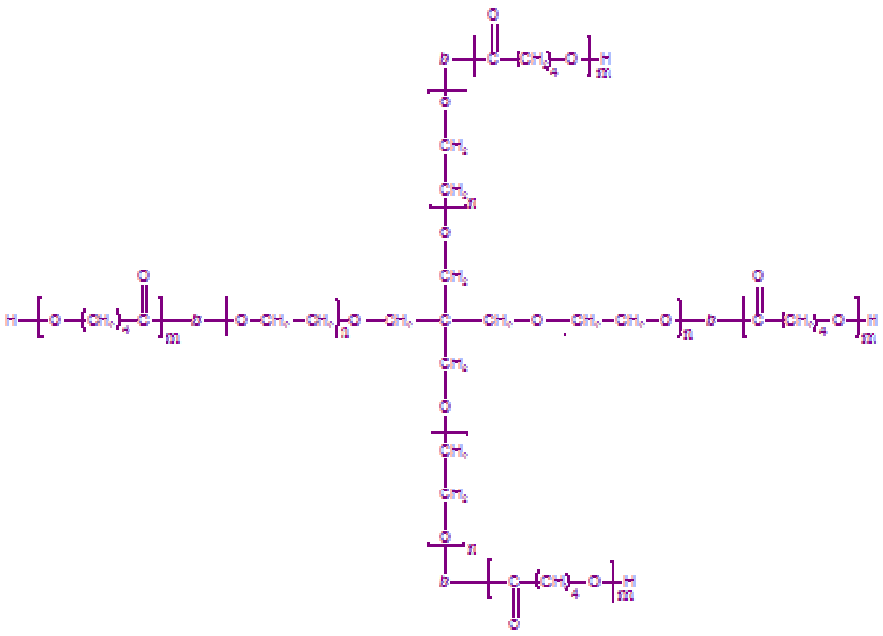
Four-Arm Poly(ethylene oxide-b-2-methyl oxazoline), Pentaerythritol Core



Comments: M_n x 10^3 (PEO-PMOXZ)

P3174-4EOMOXZ	Mn x 10^3 : 2.5-3.5	Mw/Mn : 1.5	0.5g

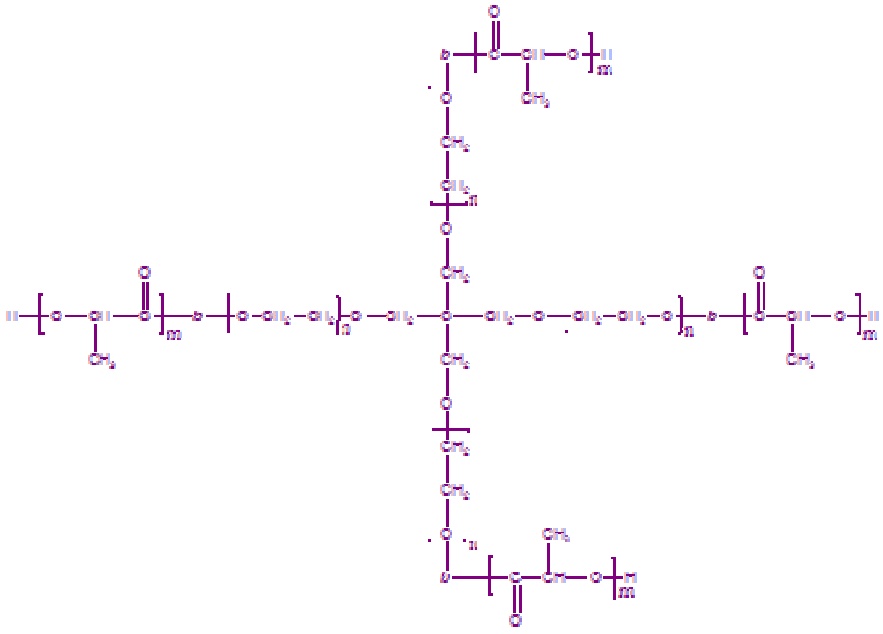
Four-Arm Poly(ethylene oxide-b-adipic anhydride), Pentaerythritol Core



Comments: M_n x 10^3 (PEO-PAAnh)

P4088-4EOAAnh	Mn x 10^3 : 1.6-2.1	Mw/Mn : -	0.5g

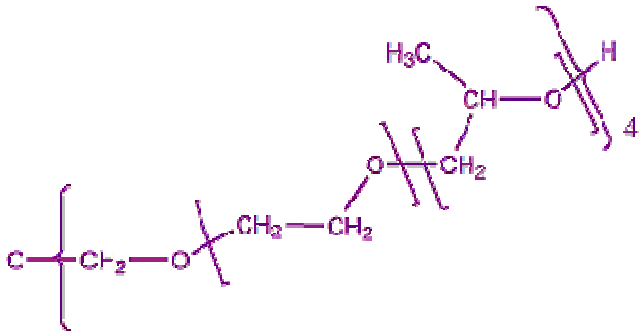
Four-Arm Poly(ethylene oxide-b-lactide), Pentaerythritol Core



Comments: $M_n \times 10^3$ (PEO-PLA) *Comments column indicates isomeric form of polylactide

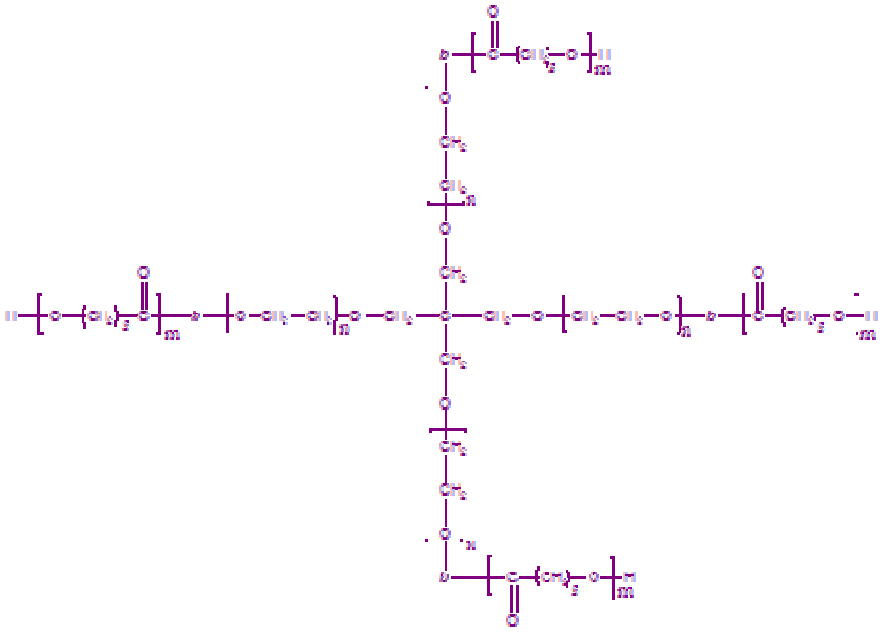
P3681-4EOLA	Mn x 10^3 : 0.1-0.7	Mw/Mn : 1.1	DL-form	0.5g
P3928-4EOLA	Mn x 10^3 : 0.2-2.0	Mw/Mn : 1.08	D-form	0.5g
P3140-4EOLA	Mn x 10^3 : 2.5-0.8	Mw/Mn : 1.15	L-form	0.5g
P3152-4EOLA	Mn x 10^3 : 2.5-0.5	Mw/Mn : 1.07	DL-form	0.5g
P3161-4EOLA	Mn x 10^3 : 2.5-1.6	Mw/Mn : 1.07	DL-form	0.5g
P3164-4EOLA	Mn x 10^3 : 2.5-3.7	Mw/Mn : 1.15	DL-form	0.5g
P3166-4EOLA	Mn x 10^3 : 2.5-5.5	Mw/Mn : 1.3	DL-form	0.5g

Four-Arm Poly(ethylene oxide-b-propylene oxide)



P10257-4EOPO	Mn x 10^3 : 1.9-b-5.6	Mw/Mn : 1.15	0.5g
P10268-4EOPO	Mn x 10^3 : 1.9-b-7.0	Mw/Mn : 1.25	0.5g
P10276-4EOPO	Mn x 10^3 : 2-b-7.5	Mw/Mn : 1.13	0.5g
P10264-4EOPO	Mn x 10^3 : 2-b-10.5	Mw/Mn : 1.13	0.5g
P10261-4EOPO	Mn x 10^3 : 2-b-22.0	Mw/Mn : 1.28	0.5g
P10245-4EOPO	Mn x 10^3 : 2-b-6.5	Mw/Mn : 1.25	0.5g
P10243-4EOPO	Mn x 10^3 : 2-b-5.5	Mw/Mn : 1.25	0.5g
P10260-4EOPO	Mn x 10^3 : 2-b-9.5	Mw/Mn : 1.12	0.5g

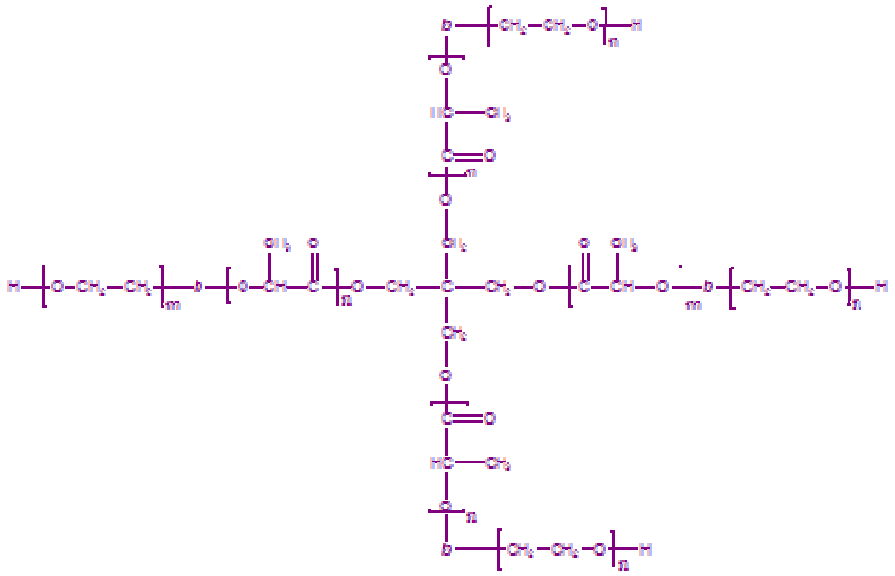
Four-Arm Poly(ethylene oxide-b-ε-caprolactone), Pentaerythritol Core



Comments: M_n x 10^3 (PEO-PCL)

P10531-4EOCL	Mn x 10^3 : 0.136-B-1.06	Mw/Mn : 1.15	0.5g
P14270B-4EOCL	Mn x 10^3 : 0.22-b-2	Mw/Mn :	0.5g
P14270A-4EOCL	Mn x 10^3 : 0.22-b-1.6	Mw/Mn : 1.15	0.5g
P10537-4EOCL	Mn x 10^3 : 0.224-b-0.95	Mw/Mn : 1.15	0.5g
P10498A-4EOCL	Mn x 10^3 : 0.224-b-0.50	Mw/Mn : 1.15	0.5g
P10498-4EOCL	Mn x 10^3 : 0.224-b-0.450	Mw/Mn : 1.15	0.5g
P1002-4EOCl	Mn x 10^3 : 0.27-b-1.3	Mw/Mn : 1.3	0.5g
P10002-4EOCL	Mn x 10^3 : 0.27-b-1.3	Mw/Mn : 1.15	0.5g
P10003-4EOCL	Mn x 10^3 : 0.27-b-1.5	Mw/Mn : 1.15	0.5g
P10004-4EOCL	Mn x 10^3 : 0.27-b-	Mw/Mn : 1.3	0.5g
P10541-4EOCL	Mn x 10^3 : 0.32-b-1.8	Mw/Mn : 1.15	0.5g
P10319-4EOCL	Mn x 10^3 : 0.32-b-0.9	Mw/Mn : 1.15	0.5g
P10540-4EOCL	Mn x 10^3 : 0.32-b-1.6	Mw/Mn : 1.15	0.5g
P10539-4EOCL	Mn x 10^3 : 0.32-b-1.5	Mw/Mn : 1.15	0.5g
P10538-4EOCL	Mn x 10^3 : 0.32-b-1.3	Mw/Mn : 1.15	0.5g
P10517B-4EOCL	Mn x 10^3 : 0.32-b-0.9	Mw/Mn : 1.15	0.5g
P10517A-4EOCL	Mn x 10^3 : 0.32-b-0.75	Mw/Mn : 1.15	0.5g
P10502-4EOCL	Mn x 10^3 : 0.4-b-1.15	Mw/Mn : 1.15	0.5g
P10502A-4EOCL	Mn x 10^3 : 0.4-b-0.450	Mw/Mn : 1.15	0.5g
P10683-4EOCL	Mn x 10^3 : 0.45-b-1.56	Mw/Mn : 1.15	0.5g
P10684-4EOCL	Mn x 10^3 : 0.45-b-1.27	Mw/Mn : 1.15	0.5g
P10686-4EOCL	Mn x 10^3 : 0.55-b-0.65	Mw/Mn : 1.25	0.5g
P10687-4EOCL	Mn x 10^3 : 0.55-b-1.15	Mw/Mn : 1.2	0.5g
P10704A-4EOCL	Mn x 10^3 : 0.72-b-1.95	Mw/Mn : 1.15	0.5g
P10696-4EOCL	Mn x 10^3 : 0.75-b-3.0	Mw/Mn : 1.15	0.5g
P10696A-4EOCL	Mn x 10^3 : 0.75-b-3.5	Mw/Mn : 1.15	0.5g
P10698-4EOCL	Mn x 10^3 : 0.75-b-3.5	Mw/Mn : 1.15	0.5g
P10704-4EOCL	Mn x 10^3 : 0.75-b-2.0	Mw/Mn : 1.15	0.5g
P10681-4EOCL	Mn x 10^3 : 0.8-b-1.9	Mw/Mn : 1.15	0.5g
P10320-4EOCL	Mn x 10^3 : 0.8-b-2.2	Mw/Mn : 1.2	0.5g
P10697-4EOCL	Mn x 10^3 : 0.8-b-1.8	Mw/Mn : 1.15	0.5g
P10321-4EOCL	Mn x 10^3 : 1.2-b-3	Mw/Mn :	0.5g
P3131-4EOCL	Mn x 10^3 : 2.5-b-6.0	Mw/Mn : 1.2	0.5g
P3132-4EOCL	Mn x 10^3 : 2.5-b-11.5	Mw/Mn : 1.09	0.5g
P3136-4EOCL	Mn x 10^3 : 2.5-b-2.7	Mw/Mn : 1.19	0.5g
P3447-4EOCL	Mn x 10^3 : 2.5-b-0.5	Mw/Mn :	0.5g

Four-Arm Poly(lactide-b-ethylene oxide), Pentaerythritol Core

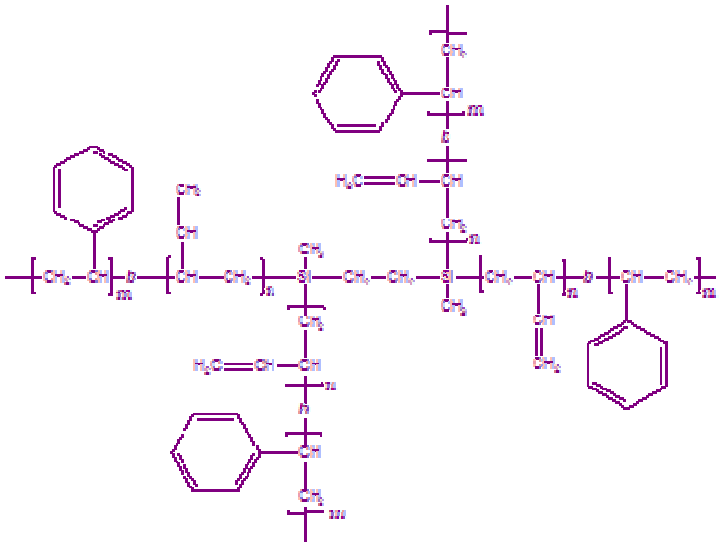


Comments: *degree of polymerization

M_n x 10^3 (PLA-PEO) **Comments column indicates isomeric form of the polylactide

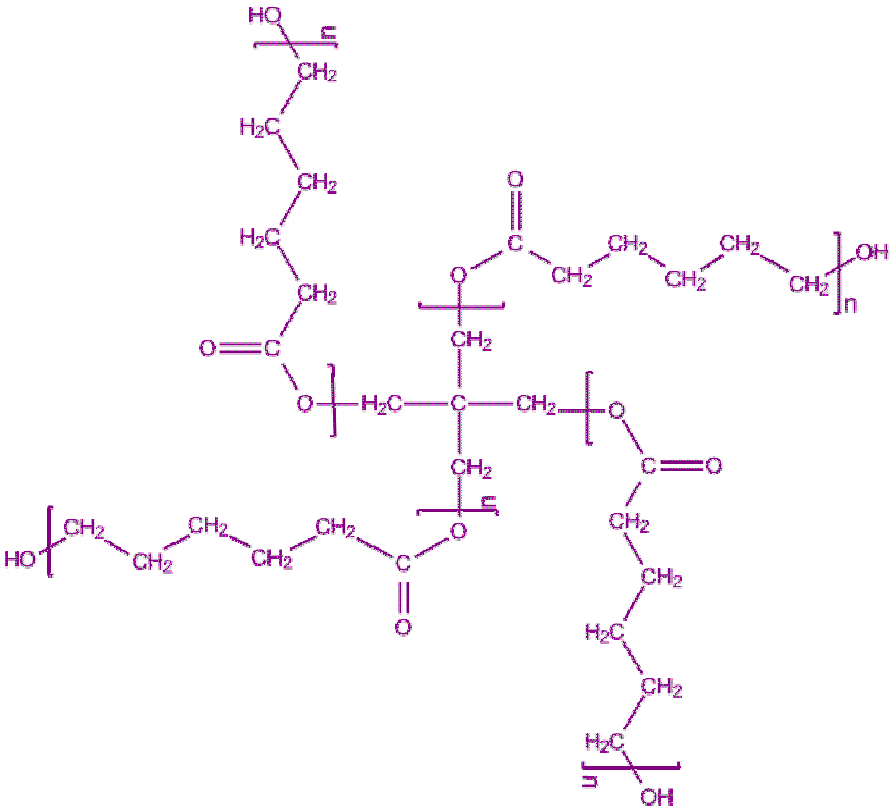
P3648-4LAEO	Mn x 10^3 : 3*-2.0	Mw/Mn : 1.11	DL-form	0.5g
P5026-4LAEO	Mn x 10^3 : 4*-2.0	Mw/Mn : 1.12	DL-form	0.5g
P6020-4LAEO	Mn x 10^3 : 5*-2.5	Mw/Mn : 1.11	DL-form	0.5g

Four-Arm Poly(styrene-b-butadiene)



P488-4SBd	Mn x 10^3 : 10.2-9.4	Mw/Mn : 1.04	0.5g

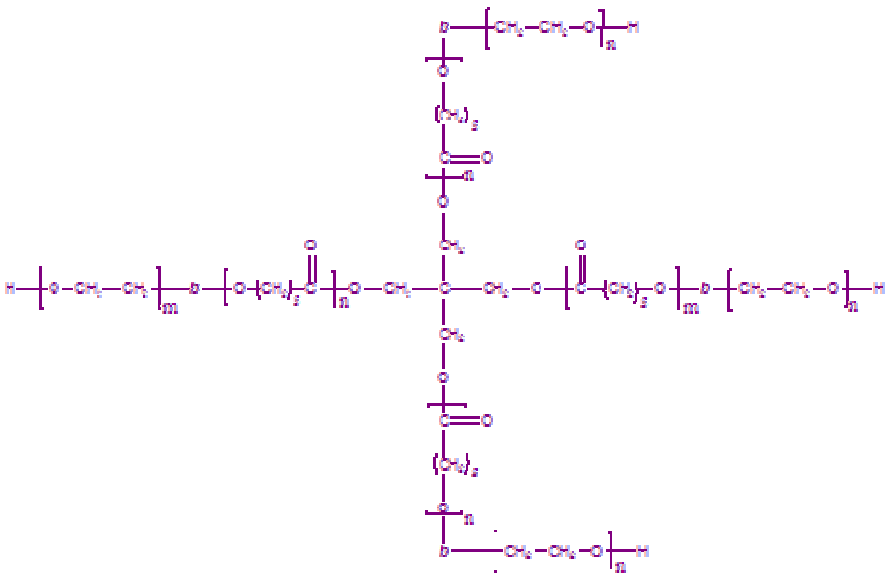
Four-Arm Poly(ε-caprolactone)



Mn is the total molecular weight.

P10758-4CL	Mn x 10^3 : 0.66	Mw/Mn : 1.3	1g
P10757-4CL	Mn x 10^3 : 0.66	Mw/Mn : 1.3	1g
P10005A-4CL	Mn x 10^3 : 0.68	Mw/Mn : 1.3	1g
P10010-4CL	Mn x 10^3 : 0.77	Mw/Mn : 1.3	1g
P10012-4CL	Mn x 10^3 : 0.77	Mw/Mn : 1.3	1g
P10765-4CL	Mn x 10^3 : 0.806	Mw/Mn : 1.3	1g
P10009-4CL	Mn x 10^3 : 0.83	Mw/Mn : 1.3	1g
P10747A-4CL	Mn x 10^3 : 0.84	Mw/Mn : 1.2	1g
P10740-4Cl	Mn x 10^3 : 0.876	Mw/Mn : 1.38	1g
P10740B-4CL	Mn x 10^3 : 0.97	Mw/Mn : 1.2	1g
P10747D-4CL	Mn x 10^3 : 0.976	Mw/Mn : 1.3	1g
P10738-4CL	Mn x 10^3 : 0.99	Mw/Mn : 1.4	1g
P10747B-4CL	Mn x 10^3 : 1.036	Mw/Mn : 1.3	1g
P10013-4CL	Mn x 10^3 : 1.1	Mw/Mn : 1.3	1g
P10011-4CL	Mn x 10^3 : 1.13	Mw/Mn : 1.3	1g
P10747C-4CL	Mn x 10^3 : 1.184	Mw/Mn : 1.3	1g
P10740C-4CL	Mn x 10^3 : 1.24	Mw/Mn : 1.2	1g
P10740D-4CL	Mn x 10^3 : 3.13	Mw/Mn : 1.2	1g

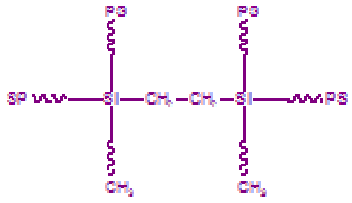
Four-Arm Poly(ε-caprolactone-b-ethylene oxide), Pentaerythritol Core



Comments: *degree of polymerization

M_n x 10^3 (PCL-PEO)			
P5025-4CLEO	Mn x 10^3 : 4*-2.0	Mw/Mn : 1.12	0.5g

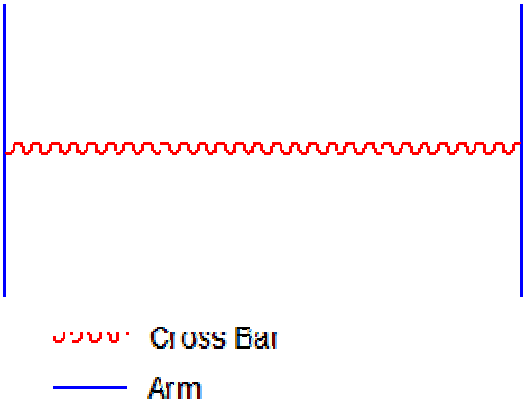
Four-Arm Polystyrene



Comments: *Contains less than 5% unlinked polystyrene in the final polymer as determined from the SEC profile.

M_n x 10^3 (of Branch)		
P2061-4S	Mn x 10^3 : 4.2	0.5g

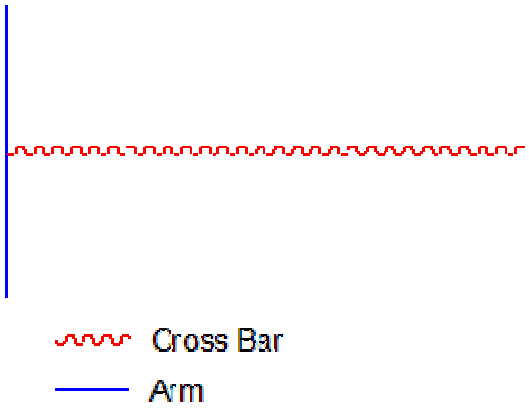
H-type architecture of Polybutadiene and Poly(ethylene oxide)



Comments: Cross Bar: PBd
Arms: PEO
M_n x 10^3 Column: Cross Bar (Arm) ; Total Polymer
Note: 4 arms present

P3101-HBdEO	Mn x 10^3 : 8 (14.0); 64	Mw/Mn : 1.15	0.5g
P3141-HBdEO	Mn x 10^3 : 8 (3.5); 22	Mw/Mn : 1.19	0.5g

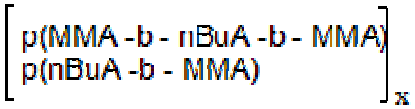
H-type architecture of Polyethylene and Poly(ethylene oxide)



Comments: Cross Bar: PE
Arms: PEO
M_n x 10^3 Column: Cross Bar (Arm) ; Total Polymer

P3146-HEEO	Mn x 10^3 : 8.3 (4.5) ; 26.3	Mw/Mn : 1.07	0.5g

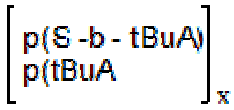
Mixed star polymer (1)



Comments: Comments Column: # of Branches per Core ; Unlinked1

P3833-mixed star	Mn x 10^3 : 740	Mw/Mn : 1.17	12.0 ; 15%	0.5g

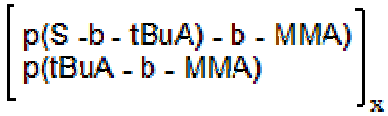
Mixed star polymer (2)



Comments: Comments Column: # of Branches per Core ; Unlinked1

P3836-mixed star	Mn x 10^3 : 700	Mw/Mn : 1.2	6.0 ; 12.0%	0.5g

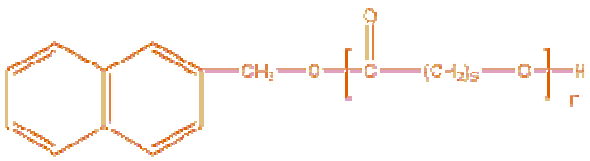
Mixed star polymer (3)



Comments: Comments Column: # of Branches per Core ; Unlinked1

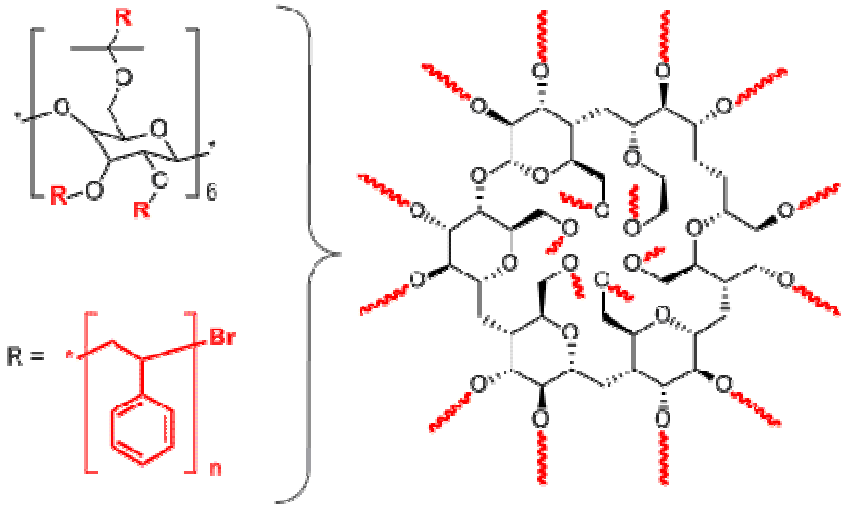
P3838-mixed star	Mn x 10^3 : 1000	Mw/Mn : 1.1	5.0 ; 15%	0.5g

Naphthyl Labeled poly(ε-caprolactone)



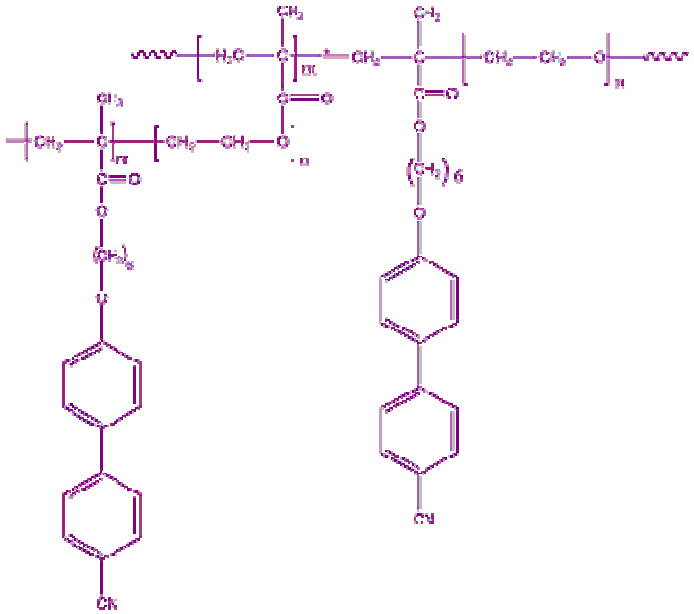
P7162-Clnaph	Mn x 10^3 : 12.2	Mw/Mn : 1.17		1g

Nine-arm Polystyrene, core: cyclodextrin



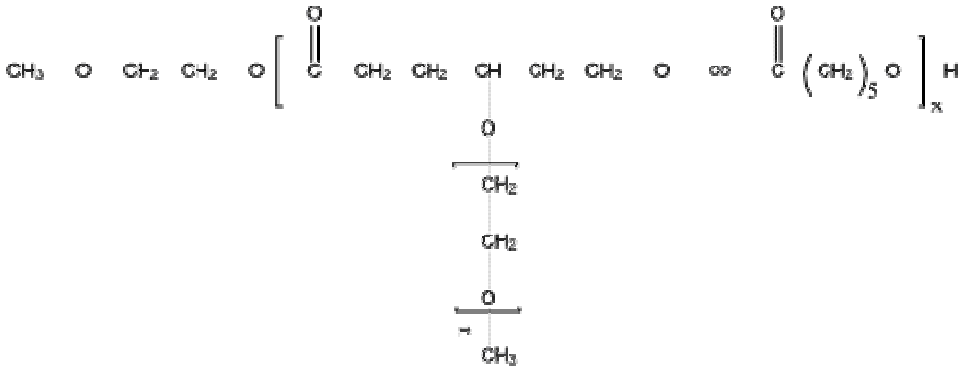
P20133B-9S	Mn x 10^3 : 8	Mw/Mn : 1.45	Total Mn: 74,000	1g

Poly([6-(4-cyanobiphenyl-4-yolxy)hexyl methacrylate-block-ethylene oxide) grafted with Poly([6-(4-cyanobiphenyl-4-yolxy)hexyl methacrylate-ethylene oxide] comb-like polymer



P9522B-4CNBPHMA-b-EO-G-4CNBPHMAEO	Mn x 10^3 : 3-b-7-g-12	Mw/Mn : 1.2	0.5g
P9514-4CNBPHMA-b-EO-G-4CNBPHMAEO	Mn x 10^3 : 10-b-47.0	Mw/Mn : 1.2	0.5g

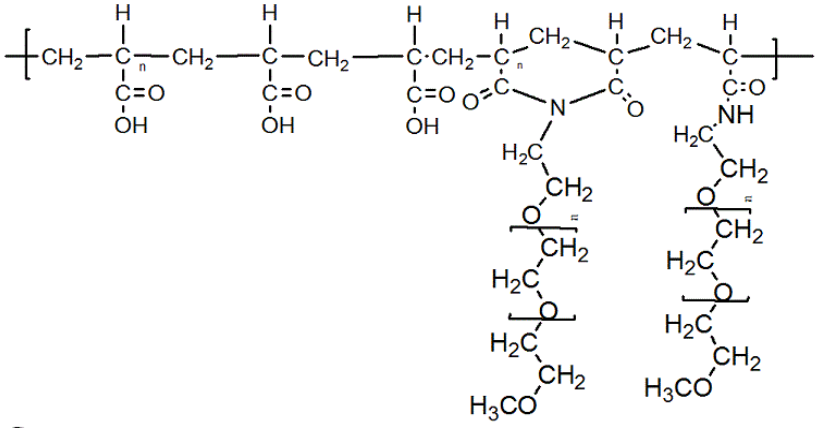
Poly(caprolactone) graft poly(ethylene oxide)



Comments: How to read Mn values: e.g. "6.2-g-1.1" means Mn for main chain PCL = 6.2 kDa, and Mn per PEO branch = 1.1 kDa; number of branches is mentioned in the Comments section.

P7186-CLEOcomb	Mn x 10^3 : 6.2-g-1.1	Mw/Mn : 1.6	EO: 4 branches	1g

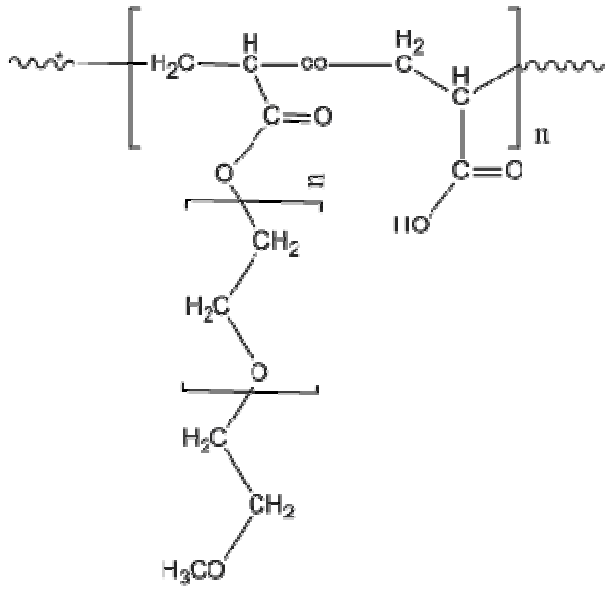
Poly(ethylene glycol) grafted on poly(acrylic acid), with amide or imide linkage



Comments: # of Branch PEG; Mn total

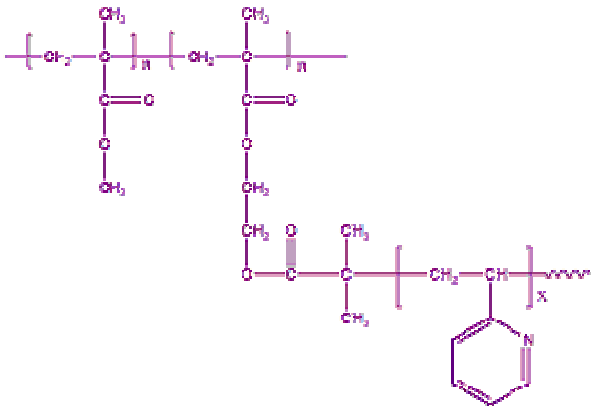
P18831-EGAAcomb	Mn x 10^3 : 2	Mw/Mn : 1.5	10 branches, Mn total=25,000	1g
P18836-EGAAcomb	Mn x 10^3 : 2	Mw/Mn : 1.5	20 branches, Mn total=45,000	1g

Poly(ethylene glycolmethyl ether) grafted on poly(acrylic acid)



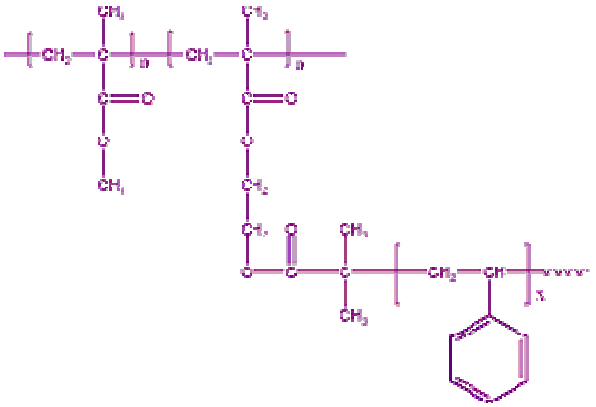
P18822-EGAA	Mn x 10^3 : 1.8	Mw/Mn : 1.8	Mn total: 26,000	1g
P18821-EGAA	Mn x 10^3 : 1.8	Mw/Mn : 1.8	Mn total: 20,000	1g

Poly(methyl methacrylate-block-isobutryl ethylmethacrylate) grafted with poly 2Vinyl Pyridine, comb-like copolymer



P13062-MMAIBEMA-G-2VP	Mn x 10^3 : 5.5-b-2.5-g-3.5	Mw/Mn : 1.2	no of Branches: 9	0.5g

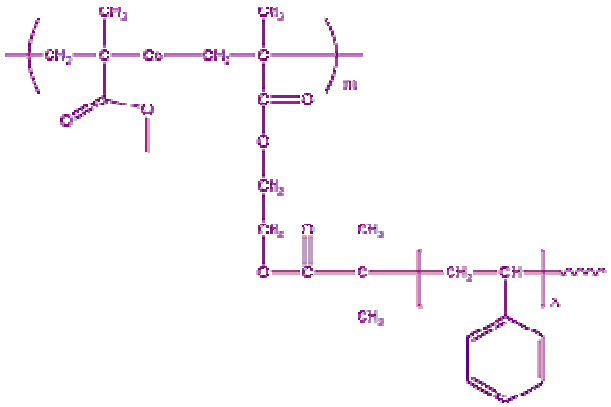
Poly(methyl methacrylate-block-isobutryl ethylmethacrylate) grafted with polystyrene, comb-like copolymer



Comments: M_n x 10^3 Column: Mn of block backbone vs. Mn of side chain
Comments Column: Number of Branches

P13059-MMAIBEMA-G-S	Mn x 10^3 : 3.4-b-5.0-g-20.0	Mw/Mn : 1.81	No.of Branches: 18	0.5g
P13061-MMAIBEMA-G-S	Mn x 10^3 : 3.4-b-1.3-g-2.8	Mw/Mn : 1.39	No.of Branches	0.5g
P13049-MMAIBEMA-G-S	Mn x 10^3 : 5.5-b-2.5-g-8	Mw/Mn : 1.45	No. of Branches 9	0.5g
P13060-MMAIBEMA-G-S	Mn x 10^3 : 5.5-b-2.5-g-10.0	Mw/Mn : 2.13	No.Of Branches: 9	0.5g
P13054-MMAIBEMA-G-S	Mn x 10^3 : 5.5-b-2.5-g-5.0	Mw/Mn : 1.3	No.of Branches : 9	0.5g

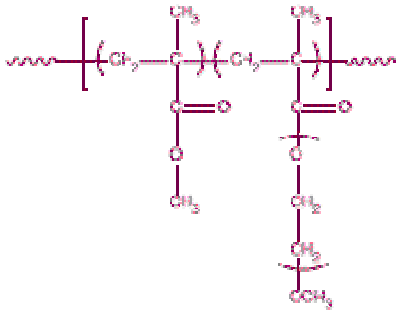
Poly(methyl methacrylate-co-[isobutyrylethyl methacrylate-graft-polystyrene])



Comments: Mn column: (MMAIBEMArn)-g-S

P13073-MMAIBEMAran-g-S	Mn x 10^3 : 5.7-g-10.3	Mw/Mn : 2	IBEMA = 40 mol%	0.5g
P13069-MMAIBEMAran-g-S	Mn x 10^3 : 23.3-g-19.3	Mw/Mn : 1.8	IBEMA = 4 mol%	0.5g
P13070-MMAIBEMAran-g-S	Mn x 10^3 : 26.6-g-18.4	Mw/Mn : 4	IBEMA = 77 mol%	0.5g

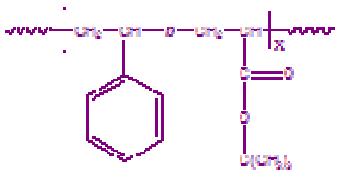
Poly(methyl methacrylate-co-PEO methacrylate), comb-like copolymer



Comments: M_n x 10^3 Column: Total Mn vs. Mn of side chain
Comments Column: Chemical Composition by NMR

P6536-MMAEOMAran	Mn x 10^3 : 12.5-g-0.3	Mw/Mn : 1.1	80 wt% of MMA	1g
P6535-MMAEOMAran	Mn x 10^3 : 12.6-g-0.3	Mw/Mn : 1.1	89 wt% of MMA	1g
P6543-MMAEOMAran	Mn x 10^3 : 20-g-0.3	Mw/Mn : 1.25	50 wt% of MMA	1g
P6537-MMAEOMAran	Mn x 10^3 : 21.5-g-0.3	Mw/Mn : 1.13	74 wt% of MMA	1g
P6539-MMAEOMAran	Mn x 10^3 : 23.3-g-1.1	Mw/Mn : 1.13	74 wt% of MMA	1g
P6540-MMAEOMAran	Mn x 10^3 : 34.6-g-1.1	Mw/Mn : 1.14	50 wt% of MMA	1g

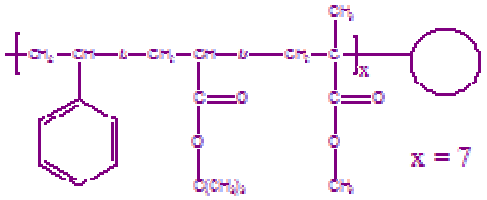
Poly(styrene-b-t-butyl acrylate) multi-arm polymer



Comments: Comments Column: # of Branches per Core ; Unlinked1
M_n x 10^3 (PS-PtBuA Branch)

P3831-(StBuA)x	Mn x 10^3 : 7-24.0	Mw/Mn : 1.17	9.5 ; 15%	0.5g
P3830-(StBuA)x	Mn x 10^3 : 30-90.0	Mw/Mn : 1.17	7.5 ; 15%	0.5g

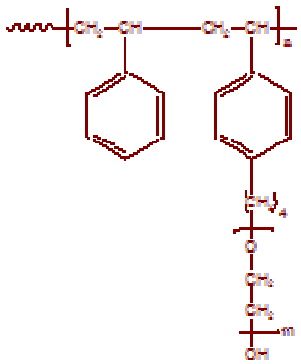
Poly(styrene-b-t-butyl acrylate-b-methyl methacrylate) multi-arm polymer



Comments: Final product contains about 10-15% unlinked polymer
Comments Column: # of Branches per Core ; Unlinked1
M_n x 10^3 (PS-PtBuA-MMA Branch)

P3832-(StBuAMMA)x	Mn x 10^3 : 22-64.0-15.0	Mw/Mn : 1.17	7.5 ; 15%	0.5g

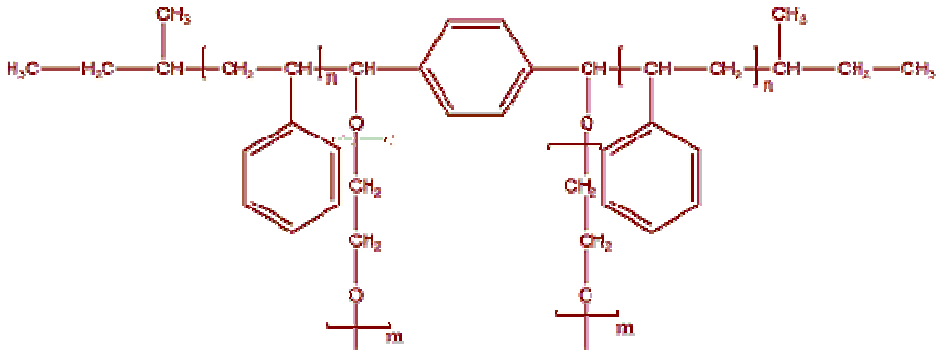
Polystyrene Graft Ethylene Oxide (1)



Comments: M_n x 10^3 Column: Total Mn vs. Mn of side chain
Comments Column: Mole% of Branches

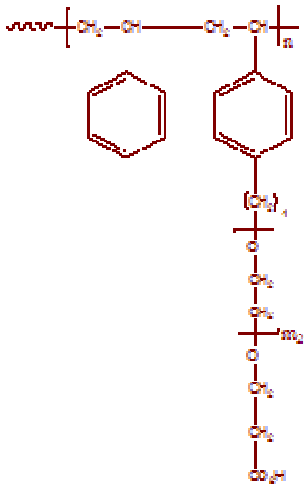
P15020A-SEOcomb	Mn x 10^3 : 21-g-4.0	Mw/Mn : 1.5	6	1g
P15020D-SEOcomb	Mn x 10^3 : 24.5-g-4.5	Mw/Mn : 1.6	6	1g
P15020E-SEOcomb	Mn x 10^3 : 24.5-g-4.5	Mw/Mn : 1.7	6	1g

Polystyrene Graft Ethylene Oxide (2)



P10092B-SEOcomb	Mn x 10^3 : 5-b-13.5	Mw/Mn : 1.28	Mn for each branch	1g

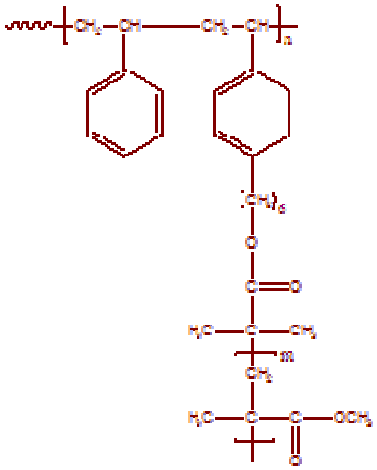
Polystyrene Graft Ethylene Oxide Functionalized with carboxylic end group



Comments: M_n x 10^3 Column: Total Mn vs. Mn of side chain

P15019-SEOCOOHcomb	Mn x 10^3 : 36.5-g-4.6	Mw/Mn : 1.3	5.6	1g

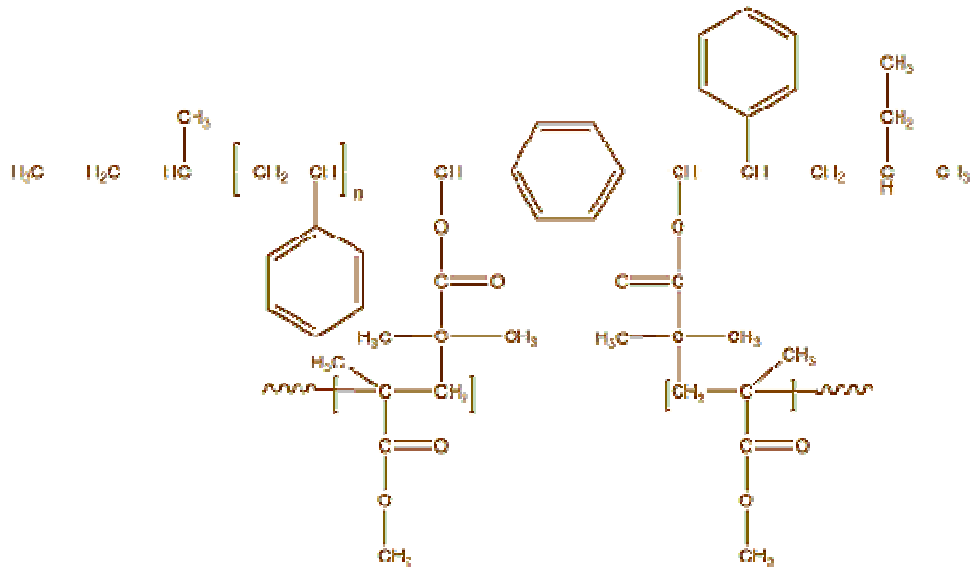
Polystyrene Graft Methyl Methacrylate (1)



Comments: M_n x 10^3 Column: Total Mn vs. Mn of side chain
Comments Column: Number of Branches

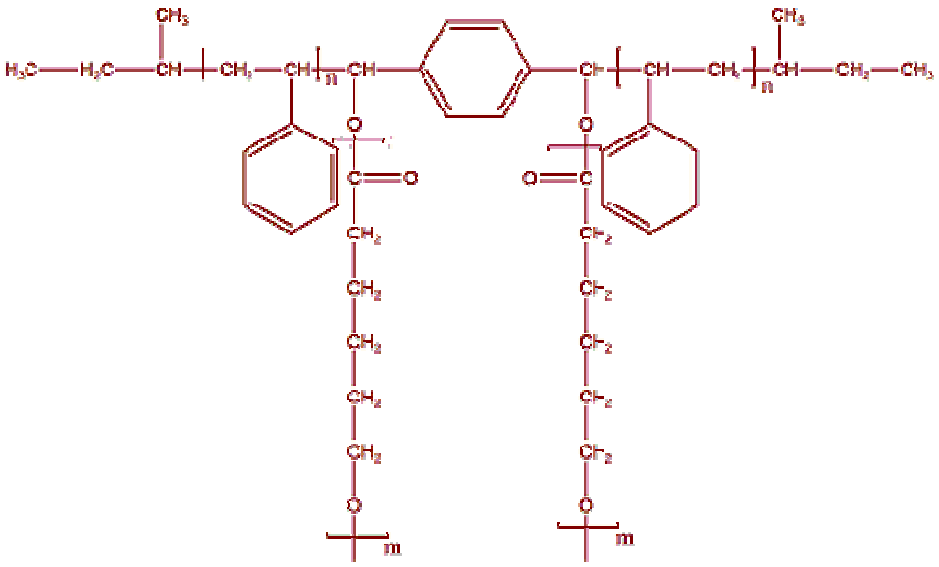
P2880- SMMA comb	Mn x 10^3 : 10-g-2.2	Mw/Mn : 1.25	4	1g

Polystyrene Graft Methyl Methacrylate (2)



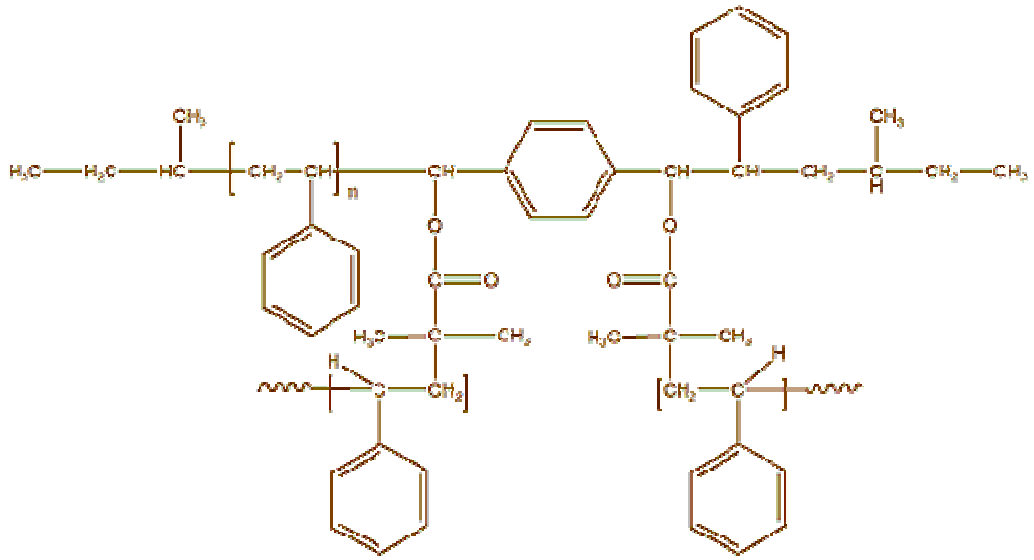
P10092E-SMMAcomb	Mn x 10^3 : 5-g-10.0	Mw/Mn : 1.8	Mn for each branch MMA: Mn total 25K)	0.5g

Polystyrene Graft polycaprolactone



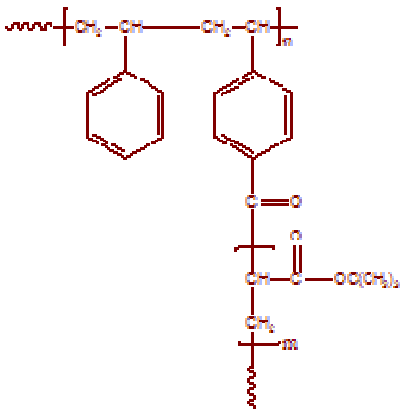
P10092A-SCLcomb	Mn x 10^3 : 5-b-13.5	Mw/Mn : 1.8	Mn for each branch Mn total 32K)	0.5g

Polystyrene Graft polystyrene



P10092F-SScomb	Mn x 10^3 : 5-g-7.0	Mw/Mn : 2.5	Mn for each PS branch(MN total-19K)	0.5g

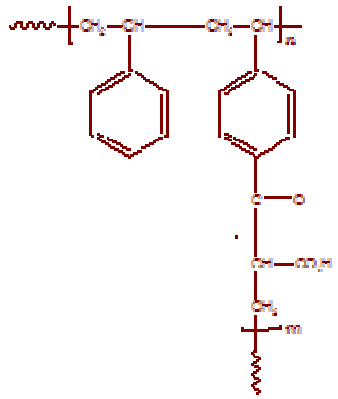
Polystyrene Graft with Poly t-Butyl Acrylate



Comments:　Comments Column: Number of Branches

P3524-StBuAcomb	Mn x 10^3 : 1.2-g-2.0	Mw/Mn : 1.77	4	1g
P3325-StBAcomb	Mn x 10^3 : 1.25-g-8.8	Mw/Mn :	4	1g
P14641A-StBuAcom	Mn x 10^3 : 16.2-g-3.9	Mw/Mn : 2.03	12	1g
P14640A-StBuAcom	Mn x 10^3 : 16.2-g-1.6	Mw/Mn : 2.03	12	1g
P14643A-StBuAcom	Mn x 10^3 : 40.4-g-3.5	Mw/Mn : 6.1	48	1g
P14642A-StBuAcom	Mn x 10^3 : 40.4-g-3.0	Mw/Mn : 6.1	48	1g

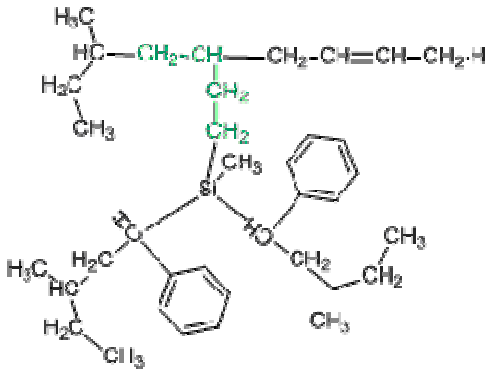
Polystyrene Graft with Polyacrylic Acid



Comments: Mn of main polymer chain e.g : P18121BB-SAA Polystyrene Mn of PS back bone 10K Mn of PAA 1.8K number of braches of PAA 2 A: number of branches per chain

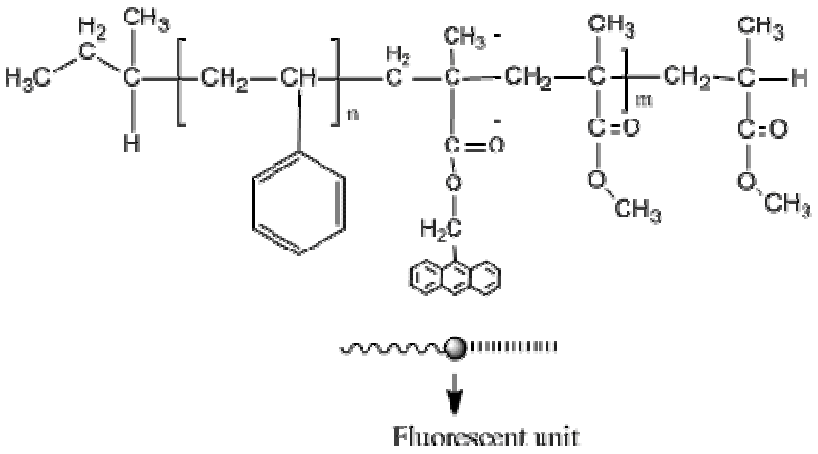
P2854-SAAcomb	Mn x 10^3 : 1.25-g-4.9	Mw/Mn : 1.5	A=4	1g
P18121BB-SAAcomb	Mn x 10^3 : 10-g-1.8	Mw/Mn : 1.2	A=2	1g
P18120C-SAAcomb	Mn x 10^3 : 10-g-1.10	Mw/Mn : 1.18	A=2	1g
P18121CC-SAAcomb	Mn x 10^3 : 10-g-1.1	Mw/Mn : 1.1	A=2	1g
P14637-SAAcomb	Mn x 10^3 : 13.6-g-2.3	Mw/Mn : 1.32	A=5	1g
P14634-SAAcomb	Mn x 10^3 : 13.6-g-2.0	Mw/Mn : 1.32	A=5	1g
P14638-SAAcomb	Mn x 10^3 : 13.6-g-5	Mw/Mn : 1.5	A=4	1g
P14640B-SAAcomb	Mn x 10^3 : 16.2-g-1.0	Mw/Mn : 2.03	A=12	1g
P14641B-SAAcomb	Mn x 10^3 : 16.2-g-2.4	Mw/Mn : 2.03	A=12	1g
P18120BB-SAAcomb	Mn x 10^3 : 20-g-1.8	Mw/Mn : 1.2	A=2	1g
P18120DD-SAAcomb	Mn x 10^3 : 20-g-2.3	Mw/Mn : 1.18	A=2	1g
P18120EE-SAAcomb	Mn x 10^3 : 20-g-4.0	Mw/Mn : 1.2	A=2	1g
P18120CC-SAAcomb	Mn x 10^3 : 20-g-2	Mw/Mn : 1.2	A=2	1g
P14642B-SAAcomb	Mn x 10^3 : 40.4-g-1.9	Mw/Mn : 6.1	A=48	1g
P14643B-SAAcomb	Mn x 10^3 : 40.4-g-2.2	Mw/Mn : 6.1	A=48	1g

Polystyrene grafted on Polybutadiene



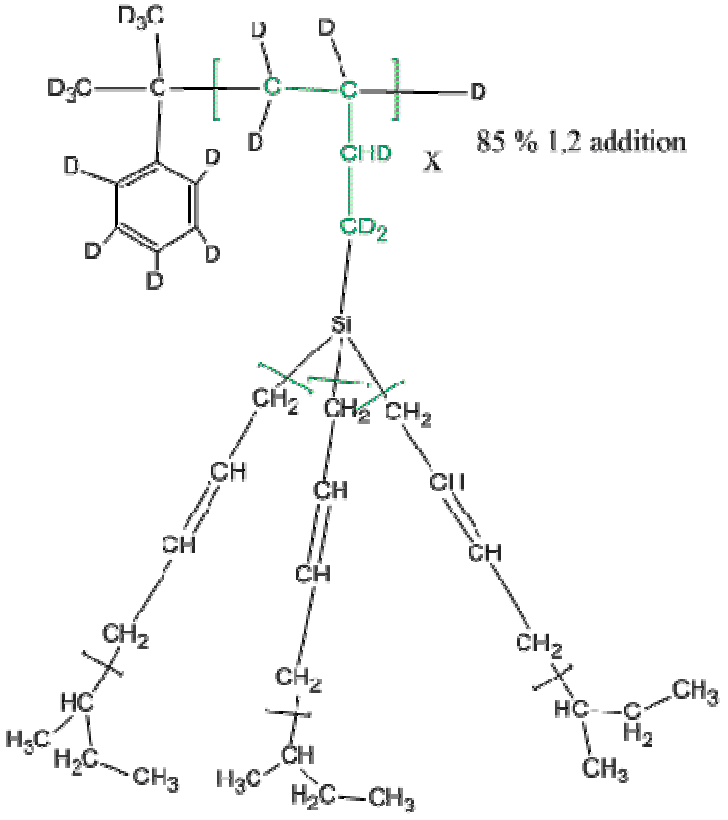
P18381-5S	Mn x 10^3 : 31	Mw/Mn : 1.15	1g

Polystyrne-b-poly(methyl methacrylate) with fluorescent Anthracen-9yl-MMA unit at block junction



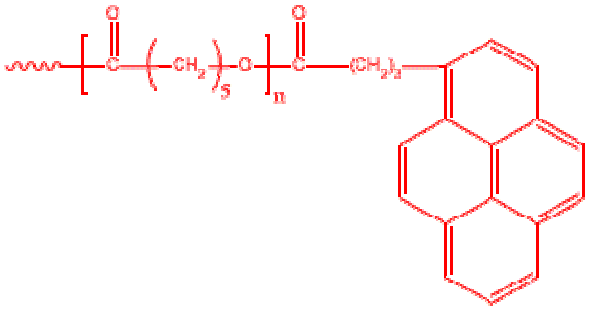
P19657A-S(AnMMA)MMA	Mn x 10^3 : 46.5-b-50	Mw/Mn : 1.19	1g

Protonated Polybutadiene grafted on Deuterated Polybutadiene



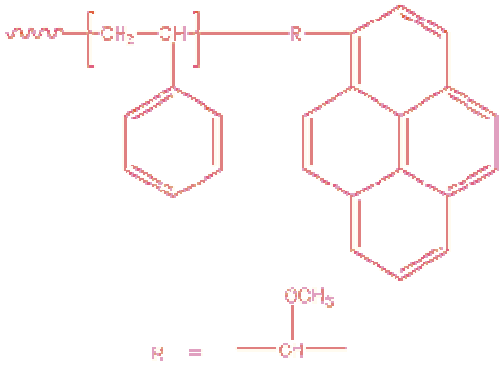
P18563B-12Bd	Mn x 10^3 : 1.1	Mw/Mn : 1.7	Mn total = 13,000; 12-arm	1g
P18563A-35Bd	Mn x 10^3 : 1.1	Mw/Mn : 2	Mn total = 37,000; 35-arm	1g

Pyrene terminated poly(ε-caprolactone)



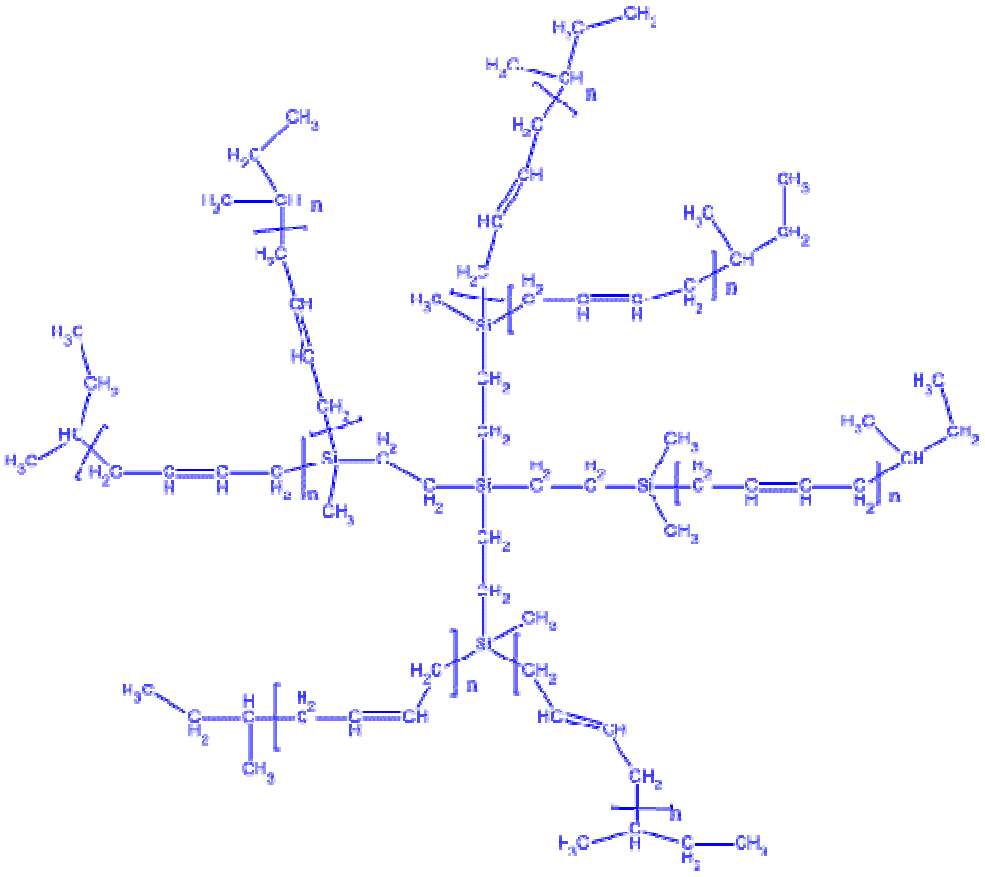
P7155-Clpy	Mn x 10^3 : 9.4	Mw/Mn : 1.5	1g

Pyrenyl Terminated Polystyrene



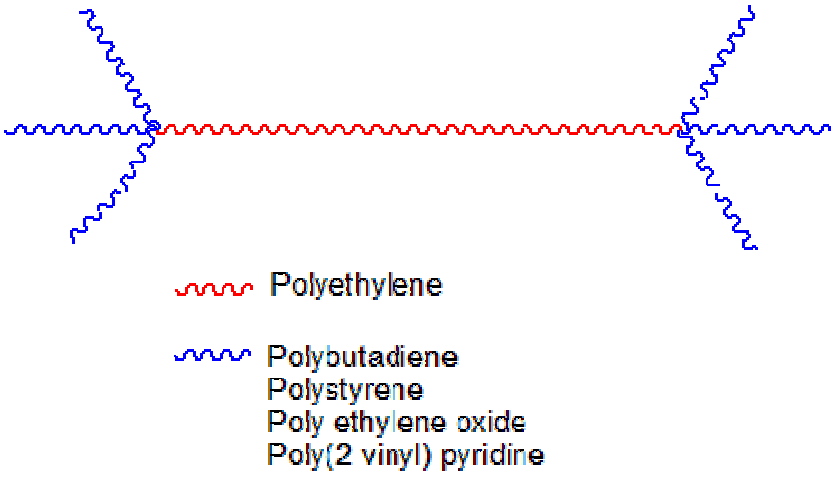
P4542A-Spy	Mn x 10^3 : 1.2	Mw/Mn : 1.1	0.5g
P4563-Spy	Mn x 10^3 : 1.2	Mw/Mn : 1.1	0.5g
P4565-Spy	Mn x 10^3 : 1.8	Mw/Mn : 1.3	0.5g
P4566-Spy	Mn x 10^3 : 1.8	Mw/Mn : 1.25	0.5g
P4567-Spy	Mn x 10^3 : 2.8	Mw/Mn : 1.4	0.5g
P4572-Spy	Mn x 10^3 : 3.5	Mw/Mn : 1.6	0.5g

Seven-Arms Poly Butadiene (1,4 addition)



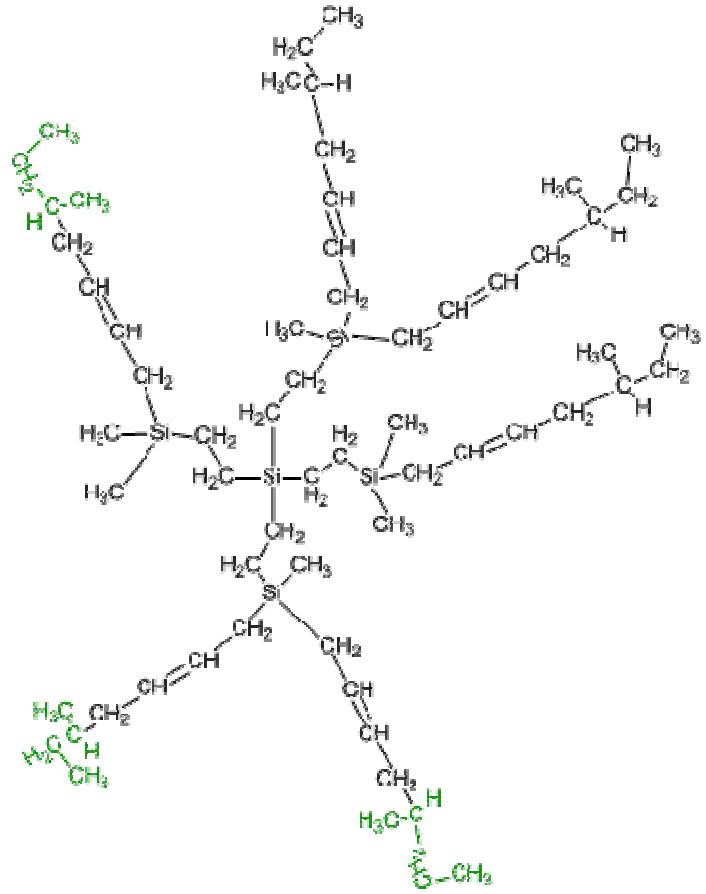
P18387-7Bd	Mn x 10^3 : 52.4(360.0)	Mw/Mn : 1.09	0.5g
P18388-7Bd	Mn x 10^3 : 57(400.0)	Mw/Mn : 1.02	0.5g

Six arm architecture of Polybutadiene with varies star arms



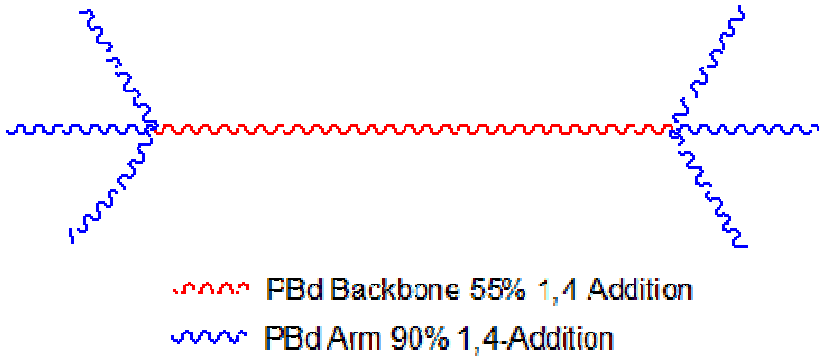
詳細についてはお問合せ下さい。

Six -arm Polybutadiene (1,4 addition)



P18386--6Bd	Mn x 10^3 : 15.4(92.0)	Mw/Mn : 1.02	0.5g

Six -arm Polybutadiene (1,4 addition)



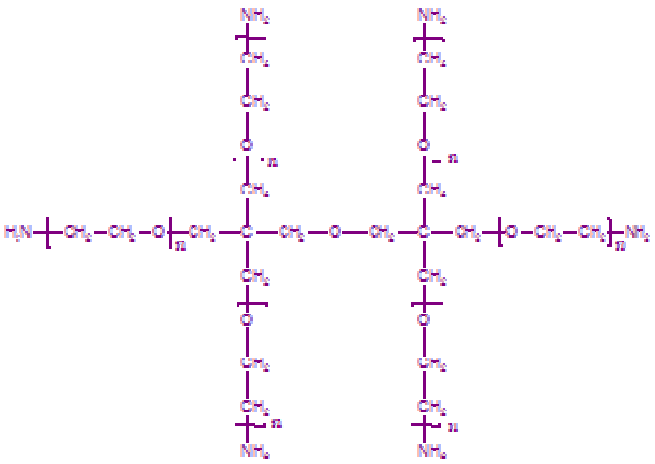
Comments: M_n x 10^3 Cross Bar (each arm) ; Total Polymer

P1081-6ABd	Mn x 10^3 : 34.6 (15.0) ; 124.6	Mw/Mn : 1.13	1g
P1184-6ABd	Mn x 10^3 : 35.2 (14.0) ; 119.2	Mw/Mn : 1.15	1g
P1132-6ABd	Mn x 10^3 : 47 (19.5) ; 164	Mw/Mn : 1.15	1g
P1470-6ABd	Mn x 10^3 : 66 (25.0) ; 216	Mw/Mn : 1.06	1g
P1589-6ABd	Mn x 10^3 : 83 (20.0) ; 203	Mw/Mn : 1.17	1g
P1210-6ABd	Mn x 10^3 : 90.7 (12.0) ; 162.7	Mw/Mn : 1.08	1g
P1625-6ABd	Mn x 10^3 : 140 (20.8) ; 264.8	Mw/Mn : 1.15	1g

Six-arm Poly (methyl methacrylate), alpha Cycldextrin core

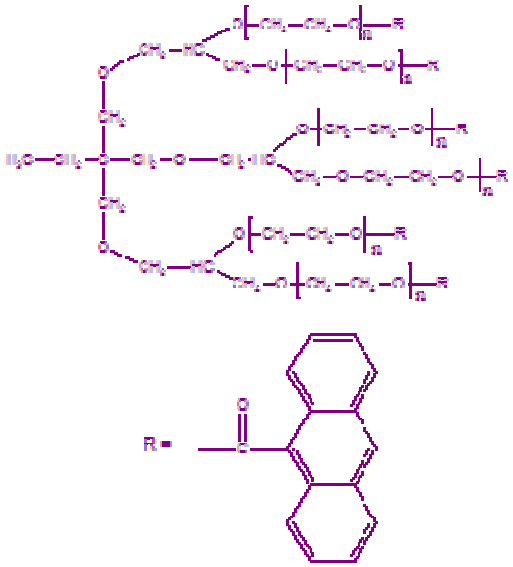
P20146-6MMA	Mn x 10^3 : 7.5	Mw/Mn : 1.31	Mn Total: 43,100	1g

Six-Arm Poly(ethylene oxide) Amino Terminated, Dipentaerythritol Core



P9672A-6EONH2	Mn x 10^3 : 7	Mw/Mn : 1.2	0.5g

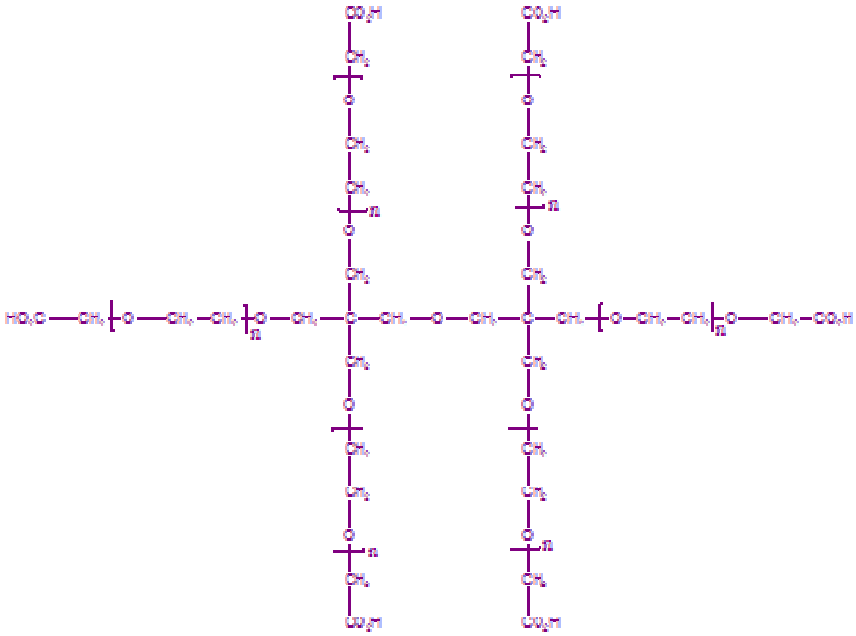
Six-Arm Poly(ethylene oxide) Anthracene Terminated, Trimethylolpropane Ethoxylate Core



Comments: 1. Ã¢â‚¬Ëœf:Ã¢â‚¬â„¢= 85%

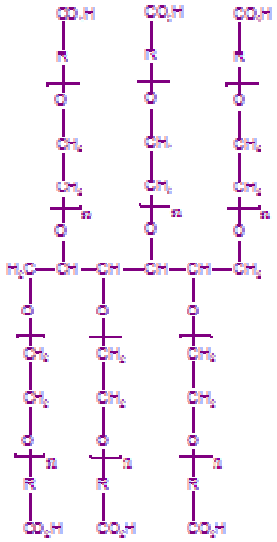
P3475-6EOAn1	Mn x 10^3 : 14.2	Mw/Mn : 1.19	0.5g

Six-Arm Poly(ethylene oxide) Carboxy Terminated, Dipentaerythritol Core



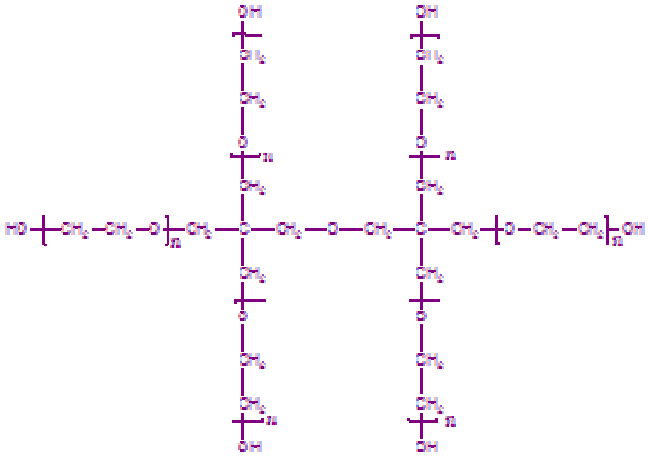
P3052-6EOCOOH	Mn x 10^3 : 10	Mw/Mn : 1.1	0.5g
P3472-6EOCOOH	Mn x 10^3 : 10	Mw/Mn : 1.1	0.5g
P18182A-6EOCOOH	Mn x 10^3 : 13	Mw/Mn : 1.2	0.5g
P2816-6EOCOOH	Mn x 10^3 : 24	Mw/Mn : 1.02	0.5g
P3032-6EOCOOH	Mn x 10^3 : 32	Mw/Mn : 1.12	0.5g

Six-Arm Poly(ethylene oxide) Carboxy Terminated, Sorbital Based Core



P3053-6EOCOOH	Mn x 10^3 : 10	Mw/Mn : 1.1		0.5g

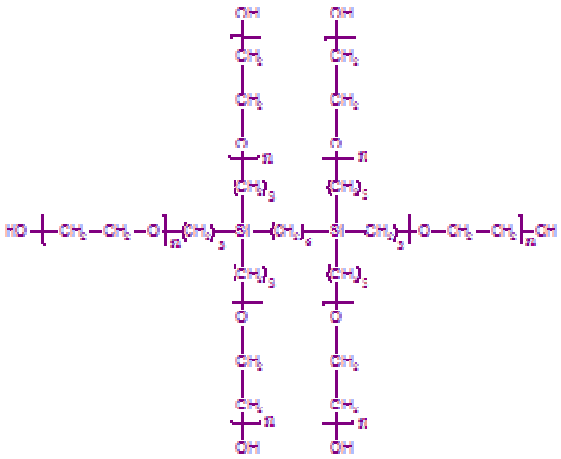
Six-Arm Poly(ethylene oxide) Hydroxy Terminated*, Dipentaerythritol Core



Comments: Number of branches determined by titration

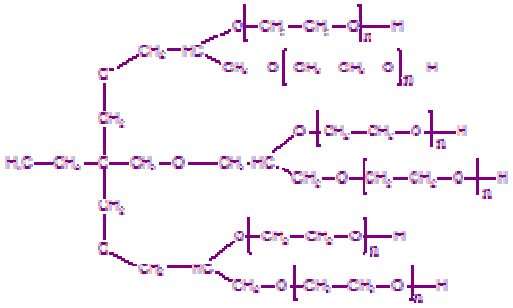
P9587-6EOOH	Mn x 10^3 : 5.2	Mw/Mn : 1.25		0.5g
P1850A-6EOOH	Mn x 10^3 : 7	Mw/Mn : 1.17	containing 50% linear PEG	0.5g
P3151A-6EOOH	Mn x 10^3 : 7	Mw/Mn : 1.25	containing 50% linear PEG	0.5g
P9672-6EOOH	Mn x 10^3 : 7	Mw/Mn : 1.2		0.5g
P1852A-6EOOH	Mn x 10^3 : 7.8	Mw/Mn : 1.09	containing 50% linear PEG	0.5g
P3169A-6EOOH	Mn x 10^3 : 11	Mw/Mn : 1.3		0.5g
P18182-6EOOH	Mn x 10^3 : 13	Mw/Mn : 1.2		0.5g
P3155A-6EOOH	Mn x 10^3 : 14	Mw/Mn : 1.17		0.5g

Six-Arm Poly(ethylene oxide) Hydroxy Terminated*, Silane Based Core



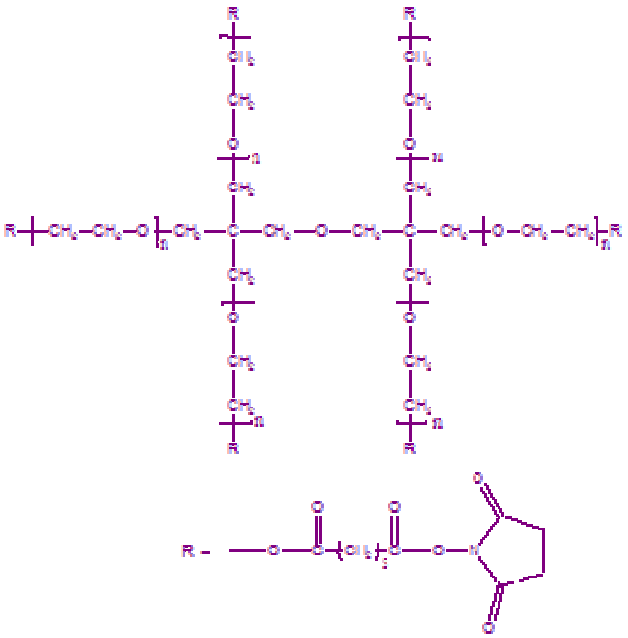
Comments: Number of branches determined by titration			
P3303-6EOOH	Mn x 10^3 : 5	Mw/Mn : 1.1	0.5g
P3300-6EOOH	Mn x 10^3 : 9	Mw/Mn : 1.14	0.5g

Six-Arm Poly(ethylene oxide) Hydroxy Terminated, Trimethylolpropane Ethoxylate and Solketal based Core



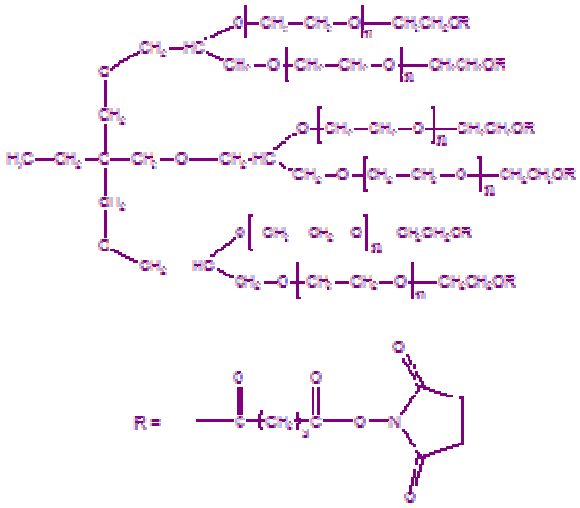
Comments: Number of branches determined by titration			
P9690-6EOOH	Mn x 10^3 : 1	Mw/Mn : 1.2	1g
P9584B-6EOOH	Mn x 10^3 : 2.8	Mw/Mn : 1.4	1g
P9584-6EOOH	Mn x 10^3 : 3.5	Mw/Mn : 1.28	1g
P18178-6EOOH	Mn x 10^3 : 9	Mw/Mn : 1.2	1g

Six-Arm Poly(ethylene oxide) Succinimidyl Glutarate Terminated, Dipentaerythritol Core



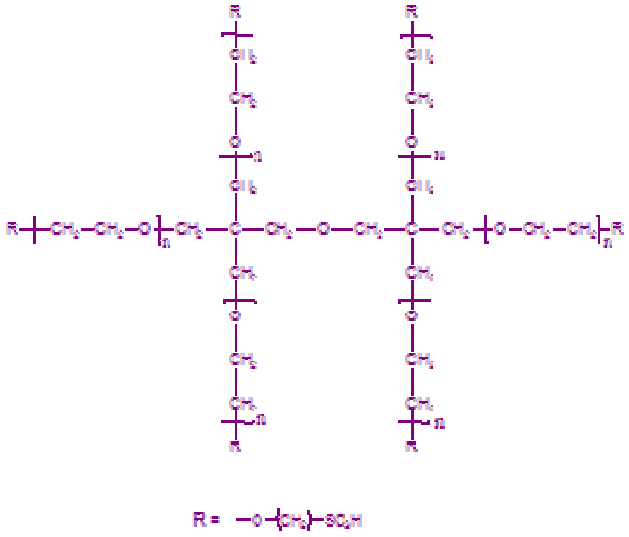
P18182B-6EOSG	Mn x 10^3 : 13	Mw/Mn : 1.2	1g

Six-Arm Poly(ethylene oxide) Succinimidyl Glutarate Terminated, Trimethylolpropane Ethoxylate Core



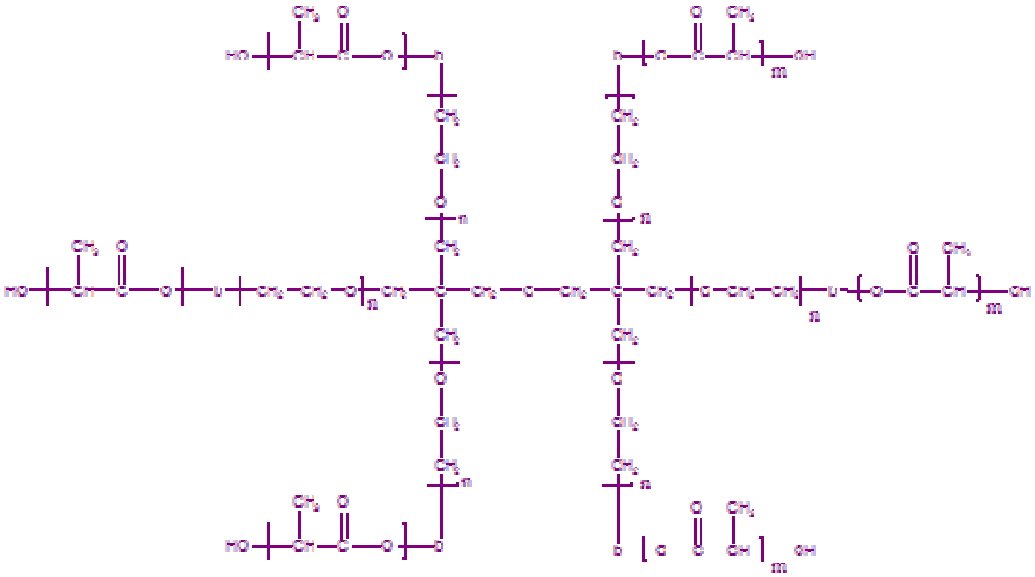
P8602-6EOSG	Mn x 10^3 : 25	Mw/Mn : 1.09	1g

Six-Arm Poly(ethylene oxide) Sulfonic Acid Terminated, Dipentaerythritol Core



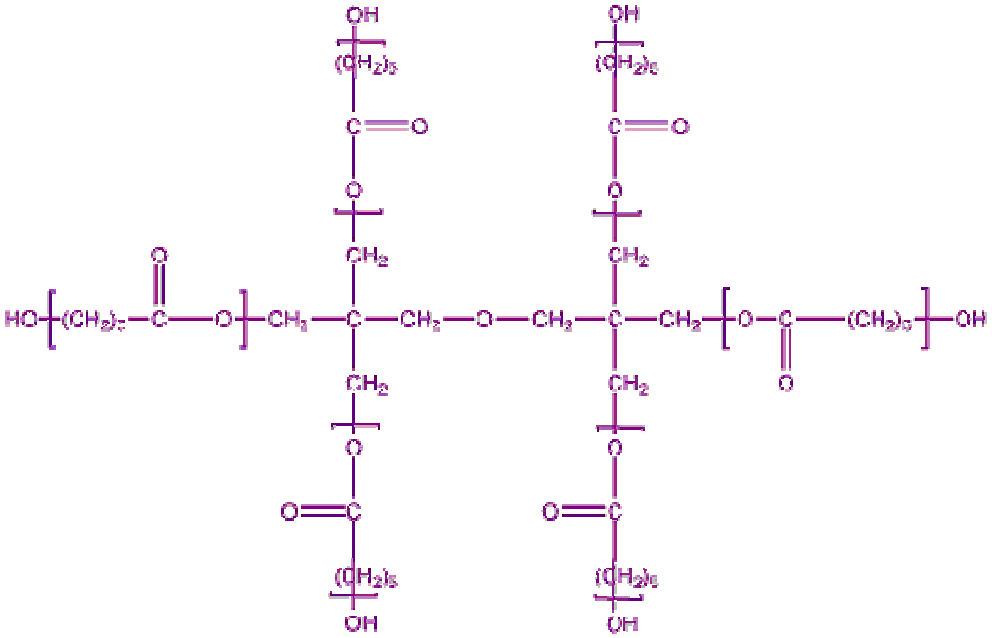
Comments: Comments Column: F%				
P2834-6EOSO3H1	Mn x 10^3 : 7.2	Mw/Mn : 1.07	98%	1g
P2833-6EOSO3H1	Mn x 10^3 : 10	Mw/Mn : 1.08	98%	1g
P2812-6EOSO3H2	Mn x 10^3 : 11.2	Mw/Mn : 1.08	20%	1g
P2809-6EOSO3H	Mn x 10^3 : 12	Mw/Mn : 1.17	86%	1g

Six-Arm Poly(ethylene oxide-b-lactide), Dipentaerythritol Core



詳細についてはお問合せ下さい。

Six-Arm poly(ε-caprolactone) (1)

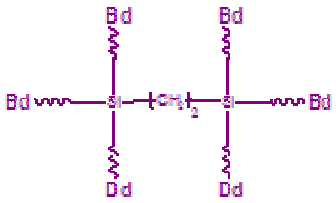


Comments: Mn of each branch;				
P7173-6CL	Mn x 10^3 : 2	Mw/Mn : 1.2	about 300	1g
P7174-6CL	Mn x 10^3 : 2.8	Mw/Mn : 1.2		1g

Six-Arm poly(ε-caprolactone) (2)

Comments: core: dipentaerythritol				
P10545A-6CL	Mn x 10^3 : 0.13	Mw/Mn : 1.2	Mn(total)=0.94	1g

Six-Arm Polybutadiene (1,4 addition)

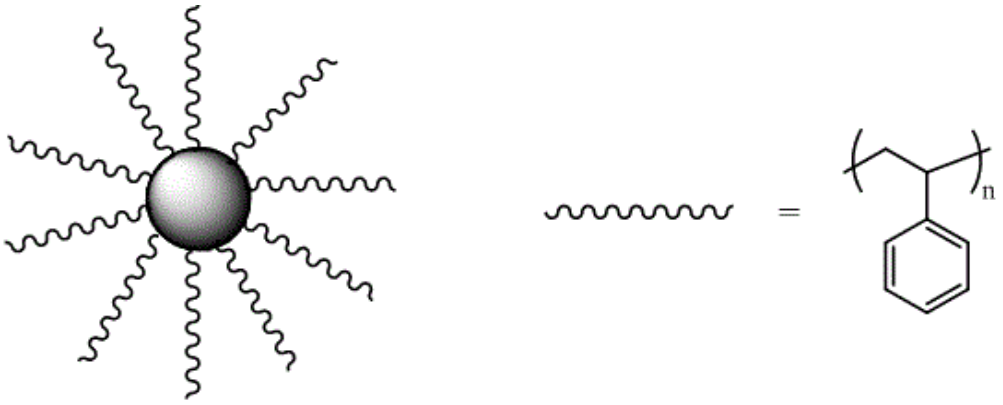


Comments: M_n x 10^3 (of Branch)			
P2060-6Bd	Mn x 10^3 : 73	Mw/Mn : 1.04	0.5g

Six-arm Polystyrene grafted on poly(butadiene [silyl-modified])

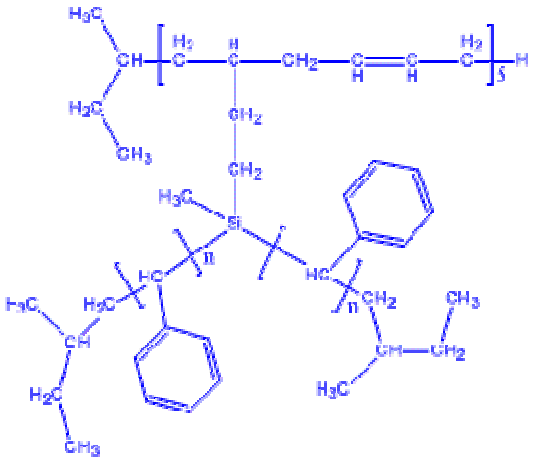
P18394-6S	Mn x 10^3 : 0.7	Mw/Mn : 1.25	Mn total: 3,800	1g

Ten-arm Polystyrene, Diethylene glycol dimethacrylate core



P19780-PS-multiarms	Mn x 10^3 : 25	Mw/Mn : 1.04	Mn total: 254,000; PDI=1.13	1g

Ten-Arm Polystyrene, Polybutadiene Core

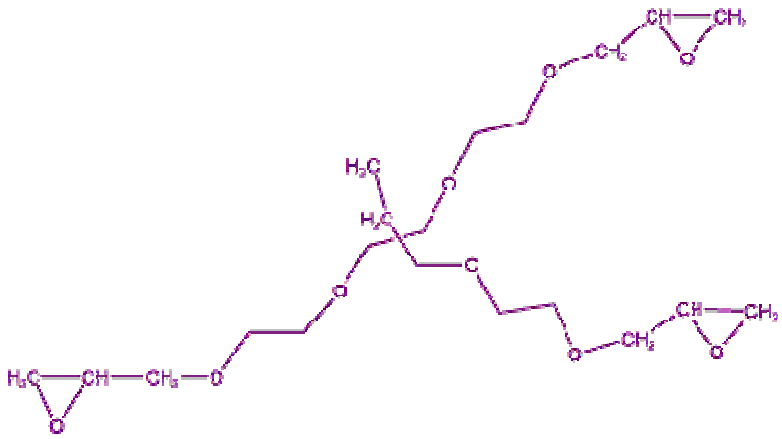


Comments: Mn column: Mn of Branch

P18395-10S	Mn x 10^3 : 0.6	Mw/Mn : 1.1	Mn total: 6,300	1g
P18375A-10S	Mn x 10^3 : 1	Mw/Mn : 1.05	Mn total: 10,500	1g
P18375- 10S	Mn x 10^3 : 1	Mw/Mn : 1.05	Mn total: 11,000	1g
P18375D-10S	Mn x 10^3 : 1	Mw/Mn : 1.07	Mn total: 11,500	1g
P18380-10S	Mn x 10^3 : 10.5	Mw/Mn : 1.15	Mn total: 109,500	1g

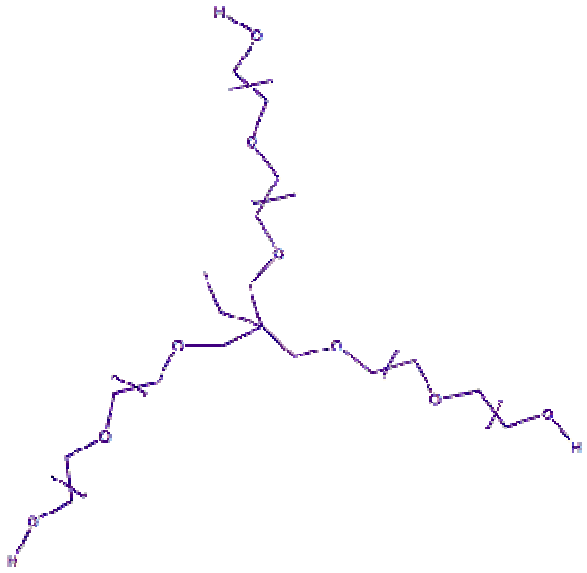
P18375B-10S	Mn x 10^3 : 10.6	Mw/Mn : 1.07	Mn total: 10,500	1g

Three-Arm Poly(ethylene oxide) Epoxy Terminated



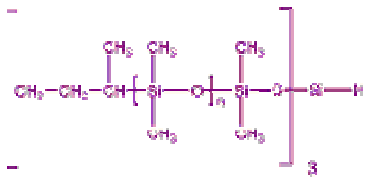
P9690-3EOepoxy	Mn x 10^3 : 1	Mw/Mn : 1.15	1g

Three-Arm Poly(ethylene oxide) Hydroxy Terminated, Trimethylolpropane Ethoxylate Core



P2229-3EOOH	Mn x 10^3 : 11.5	Mw/Mn : 1.05	0.5g

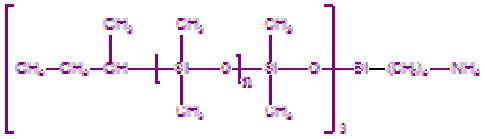
Three-Arm Polydimethylsiloxane



Comments: $M_n \times 10^3$ (of Branch)
Mw/Mn (of the star)

P3944-3DMSSiH	Mn x 10^3 : 4	Mw/Mn : 1.1	0.5g

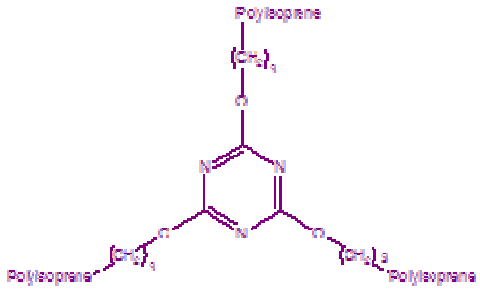
Three-Arm Polydimethylsiloxane, Amino Terminated



Comments: $M_n \times 10^3$ (of Branch)

P3944-3DMSSiNH2	Mn x 10^3 : 4	Mw/Mn : 1.1	0.5g

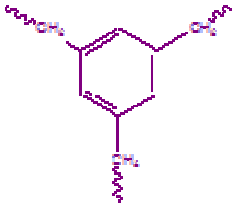
Three-Arm Polyisoprene



Comments: * In this sample the linking agent is tris-bromomethyl-mesitylene.
$M_n \times 10^3$ (of Branch)

P883-3Ip	Mn x 10^3 : 89	Mw/Mn : 1.04	0.5g
P10013a-3Ip	Mn x 10^3 : 110	Mw/Mn : 1.06	0.5g
P906-3Ip*	Mn x 10^3 : 196.5	Mw/Mn : 1.09	0.5g
P893-3Ip	Mn x 10^3 : 235.5	Mw/Mn : 1.06	0.5g
P797-3Ip	Mn x 10^3 : 554	Mw/Mn : 1.15	0.5g

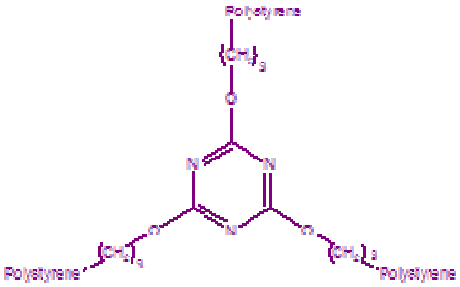
Three-Arm Polystyrene (1)



Comments: *Contains less than 5% unlinked polystyrene in the final polymer as determined from the SEC profile.
M_n x 10^3 (of Branch)For 250mg quantities please call us or write us. For Multi arms polystyrene see section below.

P1005-3S	Mn x 10^3 : 1,480	Mw/Mn : 1.08	Mn total: 4,760,000	0.5g

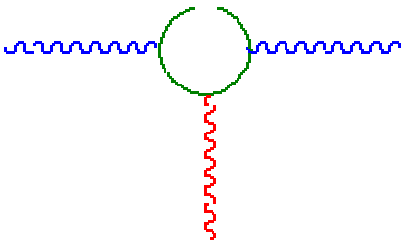
Three-Arm Polystyrene (2)



Comments: *Contains less than 5% unlinked polystyrene in the final polymer as determined from the SEC profile.

P1794-3S	Mn x 10^3 : 18.9	Mw/Mn : 1.09	* Mn total: 58,000	0.5g
P1792-3S	Mn x 10^3 : 109.8	Mw/Mn : 1.07	*	0.5g
P5382-3S	Mn x 10^3 : 766	Mw/Mn : 1.08	Mn total: 2,300,000	0.5g
P5385-3S	Mn x 10^3 : 1,400	Mw/Mn : 1.1	Mn total: 4,800,000	0.5g

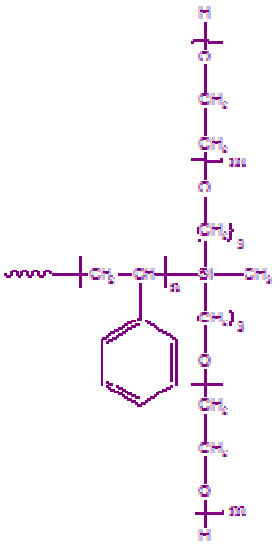
T-type architecture of Polybutadiene



Comments: M_n x 10^3: 2-arms in blue (one arm in red) ; Total Polymer

P2645-4	Mn x 10^3 : 124.8 (26.0) ; 150.8	Mw/Mn : 1.09	0.5g
P2645-5	Mn x 10^3 : 248 (26.0) ; 274	Mw/Mn : 1.13	0.5g
P2645-6	Mn x 10^3 : 286 (26.0) ; 312	Mw/Mn : 1.19	0.5g

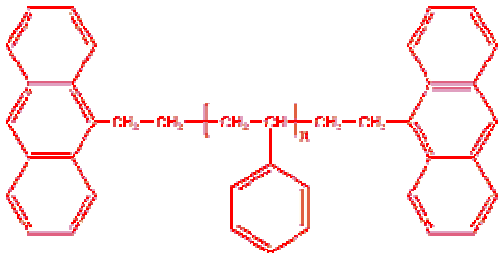
T-type architecture of Polystyrene and Poly(ethylene oxide)



Comments: M_n x 10^3 (PS-PEO Branch)

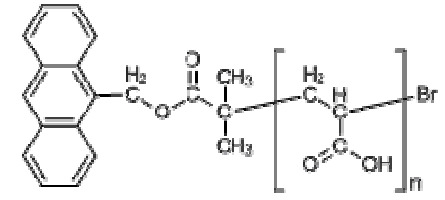
P3744-TS(EO)2	Mn x 10^3 : 10-18.0	Mw/Mn : 1.2	0.5g

α,ω-(bis)-Anthracene-terminated Polystyrene



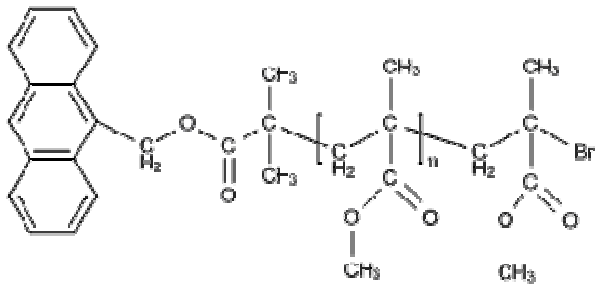
P180-AnSAn	Mn x 10^3 : 470	Mw/Mn : 1.25	0.5g
P165-AnSAn	Mn x 10^3 : 490	Mw/Mn : 1.06	0.5g
P184-AnSAn	Mn x 10^3 : 544	Mw/Mn : 1.45	0.5g
P151-AnSAN	Mn x 10^3 : 730	Mw/Mn : 1.4	0.5g
P195-AnSAn	Mn x 10^3 : 810	Mw/Mn : 1.9	0.5g
P183-AnSAn	Mn x 10^3 : 2,000	Mw/Mn : 1.35	0.5g
P157-AnSAn	Mn x 10^3 : 2,300	Mw/Mn : 1.24	0.5g

α-Anthracene,ω-Bromo-terminated Poly(Acrylic Acid)



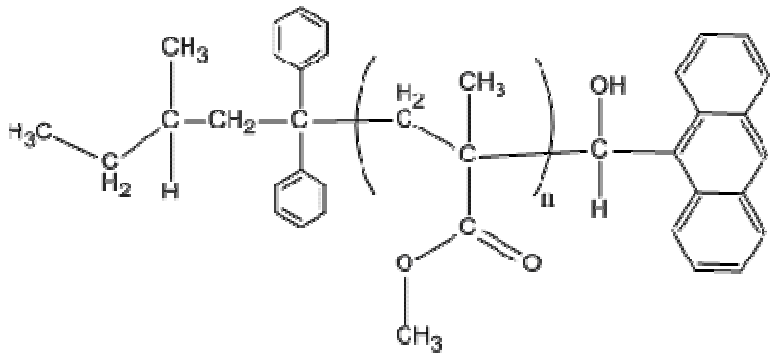
P14975-AA-An	Mn x 10^3 : 4.2	Mw/Mn : 1.31	1g
P14977-AA-An	Mn x 10^3 : 5	Mw/Mn : 1.35	1g
P14969-AA-An	Mn x 10^3 : 7.3	Mw/Mn : 1.36	1g
P14968-AA-An	Mn x 10^3 : 7.8	Mw/Mn : 1.16	1g
P14967-AA-An	Mn x 10^3 : 8.6	Mw/Mn : 1.14	1g

α-Anthracene,ω-Bromo-terminated Poly(Methyl Methacrylate)



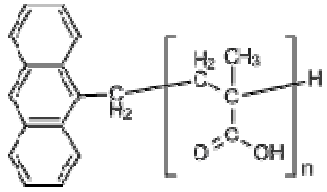
P14939A-MMAAn	Mn x 10^3 : 3	Mw/Mn : 1.39	1g
P14939-MMA-An	Mn x 10^3 : 4	Mw/Mn : 1.23	1g
P14957-MMA-An	Mn x 10^3 : 6.5	Mw/Mn : 1.25	1g
P14958-MMA-An	Mn x 10^3 : 12.5	Mw/Mn : 1.2	1g
P14959-MMA-An	Mn x 10^3 : 21	Mw/Mn : 1.1	1g

α-Anthracene,ω-diphenyl iso-pentyl-terminated Poly(Methyl Methacrylate)



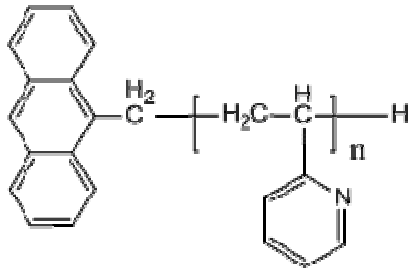
P19701-MMA-An	Mn x 10^3 : 8	Mw/Mn : 1.14	0.5g

α-Anthracene,ω-hydrogen-terminated Poly(Methyl Methacrylate)



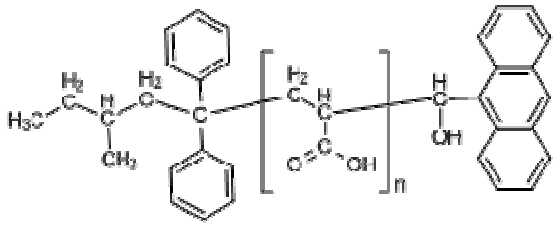
P14993-MMAAn	Mn x 10^3 : 8	Mw/Mn : 1.1	0.5g
P19711A-MMAAn	Mn x 10^3 : 8.5	Mw/Mn : 1.8	0.5g
P19703-MMAAn	Mn x 10^3 : 10	Mw/Mn : 1.3	0.5g
P19704A-MMAAn	Mn x 10^3 : 14	Mw/Mn : 1.3	0.5g
P19704B-MMAAn	Mn x 10^3 : 15.5	Mw/Mn : 1.09	0.5g
P19704-MMAAn	Mn x 10^3 : 16.5	Mw/Mn : 1.5	0.5g
P19711-MMAAn	Mn x 10^3 : 16.5	Mw/Mn : 1.8	0.5g
P14993A-MMAAn	Mn x 10^3 : 20	Mw/Mn : 1.1	0.5g
P19704C-MMAAn	Mn x 10^3 : 35	Mw/Mn : 1.28	0.5g

α-Anthracene-terminated Poly(2-vinyl pyridine)



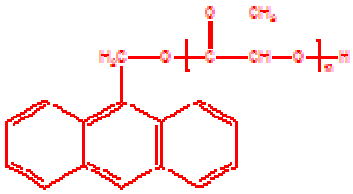
P19724-2VPAn	Mn x 10^3 : 12	Mw/Mn : 1.28	f > 99%	1g

α-Anthracene-terminated Poly(Acrylic Acid)



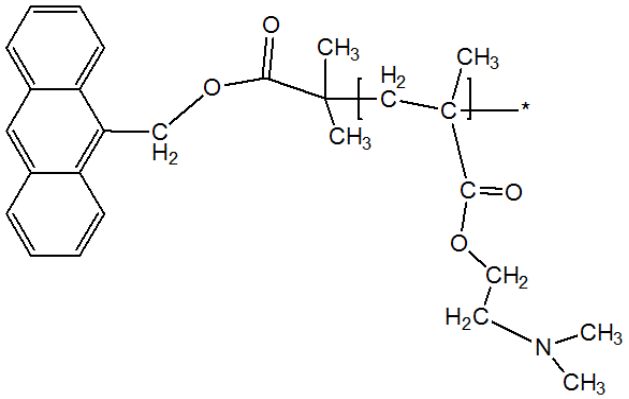
P19699-AA-AnOH	Mn x 10^3 : 5	Mw/Mn : 1.5	1g

α-Anthracene-terminated Poly(D-Lactide)



P3925-LA-An	Mn x 10^3 : 6	Mw/Mn : 1.06	1g

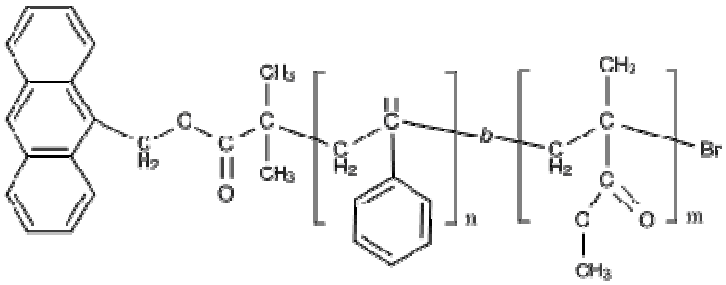
α-Anthracene-terminated Poly(N,N-dimethylaminoethyl methacrylate)



Comments: f: functionality

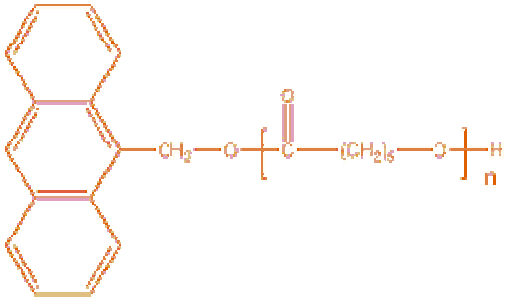
P16054-DMAEMA-An	Mn x 10^3 : 2,611	Mw/Mn : 1.9	f > 99%	1g

α-Anthracene-terminated Poly(Styrene-b-Methyl Methacrylate) diblock copolymer



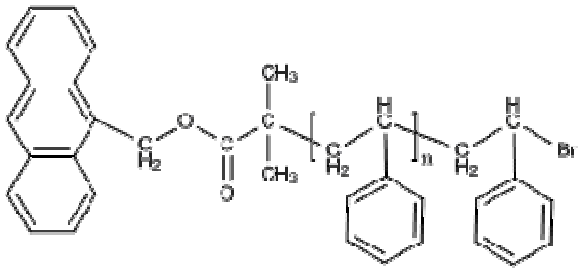
P14973-An-SMMA	Mn x 10^3 : 5.5-b-18	Mw/Mn : 1.4	1g

α-Anthracene-terminated Poly(ε-Caprolactone)



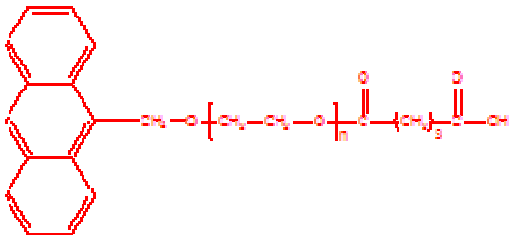
P7161-Clanth	Mn x 10^3 : 6.7	Mw/Mn : 1.2	1g

α-Anthracene-terminated Polystyrene



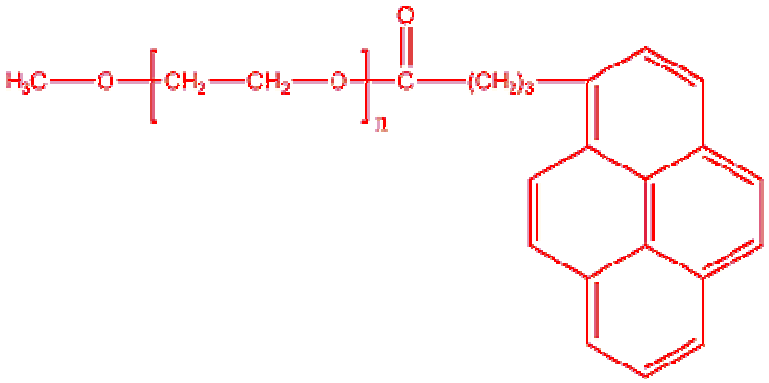
P14953-S-An	Mn x 10^3 : 5.6	Mw/Mn : 1.18	1g
P19687-S-An	Mn x 10^3 : 6	Mw/Mn : 1.08	1g
P14938-S-An	Mn x 10^3 : 9	Mw/Mn : 1.48	1g
P14952-S-An	Mn x 10^3 : 12.5	Mw/Mn : 1.26	1g
P14954-S-An	Mn x 10^3 : 16	Mw/Mn : 1.2	1g
P14970-S-An	Mn x 10^3 : 20.5	Mw/Mn : 1.4	1g

α-Anthracene-ω-carboxy-terminated Poly(Ethylene Glycol)



詳細についてはお問合せ下さい。

α-Methoxy-ω-Pyrenyl Terminated Poly(ethylene glycol)



OR210-EGPy	Mn x 10^3 : 0.75	Mw/Mn : 1.1	0.5g

ω-Anthracene-terminated Poly(Styrene-b-tert-Butyl Acrylate) block copolymer

P14976-StBuA-An	Mn x 10^3 : 23-b-7.5	Mw/Mn : 1.38	1g