

2018年 - 2019年版

ポリマー総合カタログ
重水素コポリマー試料および
重水素機能性コポリマー試料 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

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。

製品の容量の多くは1gもしくは0.5g表記ですが、2g・5gでの容量もございます。
各試料の金額については、お手数でもメール・お電話・FAXなどでお問合せ下さい。

ご希望のポリマー試料の合成依頼も承っております。
物質名・構造式・分子量・分散度・（文献等）をお知らせください。
詳しくはお問合せ下さい。

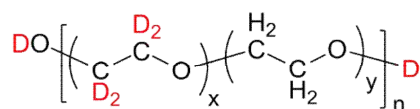
記載されているカタログ番号は、同時にロット番号となります。
従いまして、記載されている型番が在庫終了になりますと同じスペックの製品は原則ご提供できない事になります。
代替品がある場合はお知らせ致しますので、お含み下さいますようお願い致します。

納期： ご下命後約1-2週間程度でお届けできます。

☆ 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。

Poly([deuterated ethylene oxide-d4]-co-[ethylene oxide]), random



P40109-dPEOHPEOran

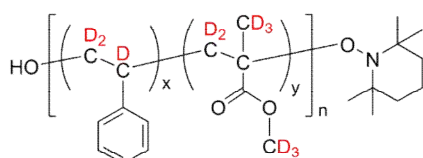
Mn x 10³ : 35

Mw/Mn : 1.2

PEO-d4 :
PEO(H) = 52:48

1g

Poly([deuterated styrene-d3]-co-[deuterated methyl methacrylate-d8]), (α-hydroxy, ω-TEMPO)-terminated



P19336-dPSMMAran-OHT

Mn x 10³ : 9

Mw/Mn : 1.11

0.5g

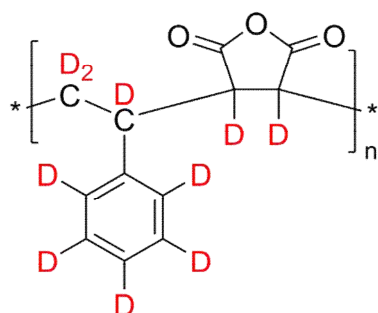
P19336A-dPSMMAran-OHT

Mn x 10³ : 82

Mw/Mn : 1.13

0.5g

Poly([deuterated styrene-d8]-alt-[deuterated maleic anhydride-d2]), alternating



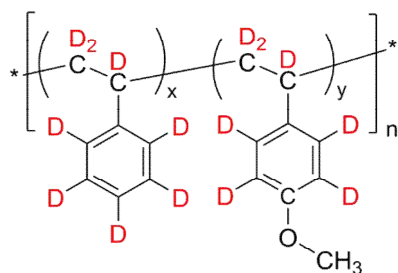
P11251-dPSM-anhydride

Mn x 10³ : 9

Mw/Mn : 1.10

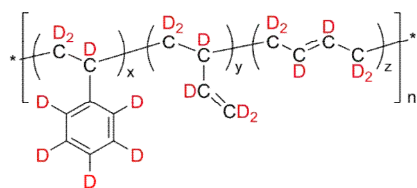
0.5g

Poly([deuterated styrene-d8]-co-[deuterated 4-methoxystyrene-d7]), random



P8187-dPS4MeOSran	$M_n \times 10^3 : 9.5$	Mw/Mn : 1.1	10 mol%(4MeOS)	0.5g
P8186-dPS4MeOSran	$M_n \times 10^3 : 77$	Mw/Mn : 1.15	5.0 mol%(4MeOS)	0.5g

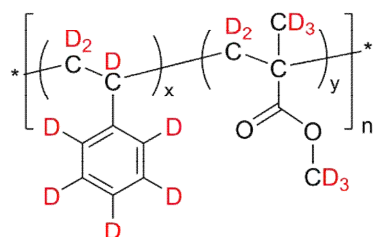
Poly([deuterated styrene-d8]-co-[deuterated butadiene-d6]), random



dPBd: 1,2-co-1,4

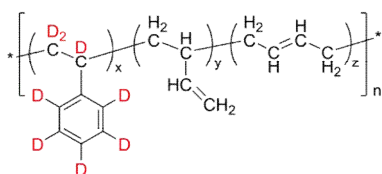
P40303-dPSdBdran	$M_n \times 10^3 : 8$	Mw/Mn : 1.3	PS: 88 wt%	1g
P19283A-dPSdPBdran	$M_n \times 10^3 : 13.5$	Mw/Mn : 1.5	PS:18 wt%	1g
P18149-dPSdBdran	$M_n \times 10^3 : 17.5$	Mw/Mn : 1.8	completely deuterated	1g
P19271-dPSdPBdran	$M_n \times 10^3 : 19$	Mw/Mn : 1.1	PS:25 wt%	1g
P19273-dPSdPBdran	$M_n \times 10^3 : 19.5$	Mw/Mn : 1.5	PS:55 wt%	1g
P19280-dPSdPBdran	$M_n \times 10^3 : 20$	Mw/Mn : 1.1	PS:22 wt%	1g
P19282-dPSdPBdran	$M_n \times 10^3 : 20.5$	Mw/Mn : 1.5	PS:42 wt%	1g
P19284B-dPSdPBdran	$M_n \times 10^3 : 22.5$	Mw/Mn : 1.35	PS:25 wt%	1g
P19283-dPSdPBdran	$M_n \times 10^3 : 33$	Mw/Mn : 1.2	PS:18 wt%	1g
P19284-dPSdPBdran	$M_n \times 10^3 : 39$	Mw/Mn : 1.2	PS:25 wt%	1g
P19284A-dPSdPBdran	$M_n \times 10^3 : 42.5$	Mw/Mn : 1.13	PS:25 wt%	1g

Poly([deuterated styrene-d8]-co-[deuterated methyl methacrylate-d8]), random



P1510-dPSMMAran	$M_n \times 10^3$: 34.5(66.7)	Mw/Mn : 1.17	1g
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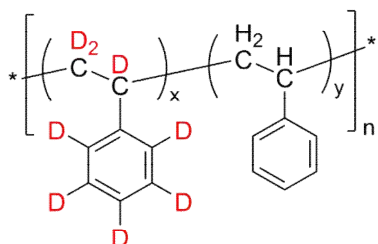
Poly([deuterated styrene-d8]-co-butadiene), random



dPBd: 1,2-co-1,4

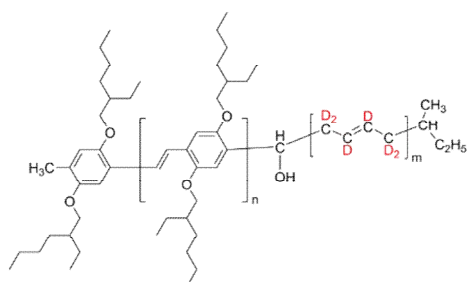
P18631-dPsBdran	$M_n \times 10^3$: 32.7	Mw/Mn : 1.06	S=25.0wt%	1g
P19274-dPSBdran	$M_n \times 10^3$: 33	Mw/Mn : 1.08	S=25.0wt%	1g
P18629-dPSBdran	$M_n \times 10^3$: 37	Mw/Mn : 1.06	S=25.0wt%	1g

Poly([deuterated styrene-d8]-co-styrene), random



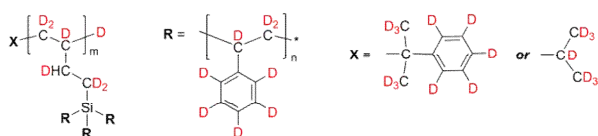
P4163-dSHS	$M_n \times 10^3$: 30	Mw/Mn : 1.03		1g
P14251C-dPSSran	$M_n \times 10^3$: 38	Mw/Mn : 2	dS:S = 90:10	1g
P14251B-dPSSran	$M_n \times 10^3$: 135	Mw/Mn : 1.5	dS:S = 90:10	1g
P14251A-dPSSran	$M_n \times 10^3$: 490	Mw/Mn : 1.35	dS:S = 90:10	1g

Poly(2,5-di(2'-ethylhexyloxy)-1,4-phenylenevinylene)-b-poly(deuterated 1,4-butadiene-d6)



p10954A-DEHPPV-dPBd	Mn x 10 ³ : 3.3-b-4.0	Mw/Mn : 1.5	0.5g
p10954-DEHPPV-dPBd	Mn x 10 ³ : 4-b-4.0	Mw/Mn : 1.5	0.5g

Poly(deuterated styrene-d8) grafted on oligo(deuterated 1,2-butadiene-d6), end-groups are deuterated



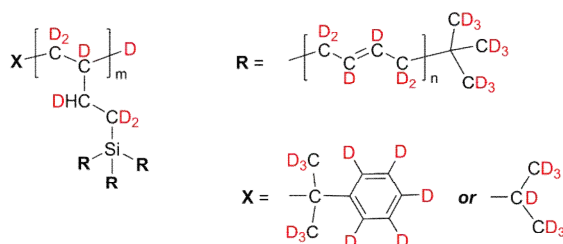
P18829-16dPS	Mn x 10 ³ : 0.5(arm), 8(total)	Mw/Mn : 1.25	16-arm PS	0.5g
P18553-17dPS	Mn x 10 ³ : 0.7(arm), 12(total)	Mw/Mn : 1.35	17-arm PS	0.5g
P18529A-18dPS	Mn x 10 ³ : 0.8(arm), 12.5(total)	Mw/Mn : 1.24	15-arm PS	0.5g
P18529B-12dPS	Mn x 10 ³ : 0.8(arm), 10(total)	Mw/Mn : 1.14	12-arm PS	0.5g
P18529C-10dPS	Mn x 10 ³ : 0.8(arm), 8.5(total)	Mw/Mn : 1.13	10-arm PS	0.5g
P18529D-9dPS	Mn x 10 ³ : 0.8(arm), 9(total)	Mw/Mn : 1.13	9-arm PS	0.5g
P18572-25dPS	Mn x 10 ³ : 0.8(arm), 20.5(total)	Mw/Mn : 1.34	25-arm PS	0.5g
P18828-18dPS	Mn x 10 ³ : 0.8(arm), 14.5(total)	Mw/Mn : 1.25	18-arm PS	0.5g
P18835-17dPS	Mn x 10 ³ : 0.9(arm), 15.5(total)	Mw/Mn : 1.4	17-arm PS	0.5g
P18835A-11dPS	Mn x 10 ³ : 0.9(arm), 10.3(total)	Mw/Mn : 1.38	11-arm PS	0.5g
P18522A-12dPS	Mn x 10 ³ : 1.1(arm), 12(total)	Mw/Mn : 1.16	12-arm PS	0.5g
P18522B-15dPS	Mn x 10 ³ : 1.1(arm), 17(total)	Mw/Mn : 1.27	15-arm PS	0.5g
P18522C-10dPS	Mn x 10 ³ : 1.1(arm), 11.8(total)	Mw/Mn : 1.10	10-arm PS	0.5g
P18522D-12dPS	Mn x 10 ³ : 1.1(arm), 13(total)	Mw/Mn : 1.17	12-arm PS	0.5g
P18522E-6dPS	Mn x 10 ³ : 1.1(arm), 7(total)	Mw/Mn : 1.27	6-arm PS	0.5g
P18865B-9dPS	Mn x 10 ³ : 1.1(arm), 11(total)	Mw/Mn : 1.24	9-arm PS	0.5g
P18491-32dPS	Mn x 10 ³ : 1.3(arm), 42(total)	Mw/Mn : 1.1	32-arm PS	0.5g
P18644-44dPS	Mn x 10 ³ : 1.4(arm), 62(total)	Mw/Mn : 1.09	44-arm PS	0.5g
P18824-10dPS	Mn x 10 ³ : 1.5(arm), 15.5(total)	Mw/Mn : 1.30	10-arm PS	0.5g
P18514-18dPS	Mn x 10 ³ : 2.5(arm), 46.5(total)	Mw/Mn : 2	18-arm PS	0.5g
P18515A-6dPS	Mn x 10 ³ : 2.5(arm), 14.5(total)	Mw/Mn : 1.26	6-arm PS	0.5g
P18515B-7dPS	Mn x 10 ³ : 2.5(arm), 19(total)	Mw/Mn : 1.29	7-arm PS	0.5g

Poly(deuterated styrene-d8) grafted on oligo(deuterated 1,2-butadiene-d6), end-groups are deuterated次ページに続く

Poly(deuterated styrene-d8) grafted on oligo(deuterated 1,2-butadiene-d6), end-groups are deuterated前ページからの続き

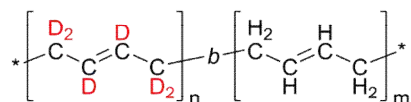
P18515C-10dPS	$M_n \times 10^3$: 2.5(arm), 25.5(total)	Mw/Mn: 1.38	10-arm PS	0.5g
P18832-11dPS	$M_n \times 10^3$: 3(arm), 33(total)	Mw/Mn: 1.35	11-arm PS	0.5g
P18534A-21dPS	$M_n \times 10^3$: 4.8(arm), 105(total)	Mw/Mn: 1.10	21-arm PS	0.5g
P18534B-18dPS	$M_n \times 10^3$: 4.8(arm), 88(total)	Mw/Mn: 1.10	18-arm PS	0.5g
P18534C-17dPS	$M_n \times 10^3$: 4.8(arm), 84(total)	Mw/Mn: 1.10	17-arm PS	0.5g
P18502F-3dPS	$M_n \times 10^3$: 28.5(arm), 92(total)	Mw/Mn: 1.45	3-arm PS	0.5g

Poly(deuterated 1,4-butadiene-d6) grafted on oligo(deuterated 1,2-butadiene-d6), end-groups are deuterated



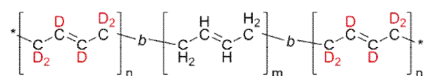
P18537-83dPBd	$M_n \times 10^3$: 0.6(arm), 52.5(total)	Mw/Mn: 1.10	83-arm PBd	0.5g
P18554A-23dPBd	$M_n \times 10^3$: 0.8(arm), 19(total)	Mw/Mn: 2.0	23-arm PBd	0.5g
P18554B-10dPBd	$M_n \times 10^3$: 0.8(arm), 8.2(total)	Mw/Mn: 1.70	10-arm PBd	0.5g
P18554C-17dPBd	$M_n \times 10^3$: 0.8(arm), 13.8(total)	Mw/Mn: 1.80	17-arm PBd	0.5g
P18554D-10dPBd	$M_n \times 10^3$: 0.8(arm), 8.5(total)	Mw/Mn: 1.80	10-arm PBd	0.5g
P18538-55dPBd	$M_n \times 10^3$: 1(arm), 56.5(total)	Mw/Mn: 1.10	55-arm PBd	0.5g
P18535-100dPBd	$M_n \times 10^3$: 1.2(arm), 122(total)	Mw/Mn: 1.1	100-arm PBd	0.5g
P18535B-95dPBd	$M_n \times 10^3$: 1.2(arm), 114(total)	Mw/Mn: 1.1	95-arm PBd	0.5g
P18568A-24dPBd	$M_n \times 10^3$: 1.3(arm), 31.6(total)	Mw/Mn: 1.65	24-arm PBd	0.5g
P18568B-21dPBd	$M_n \times 10^3$: 1.3(arm), 27.5(total)	Mw/Mn: 1.65	21-arm PBd	0.5g
P18568C-18dPBd	$M_n \times 10^3$: 1.3(arm), 24.5(total)	Mw/Mn: 1.15	18-arm PBd	0.5g

Poly(deuterated 1,4-butadiene-d6)-b-poly(1,4-butadiene)



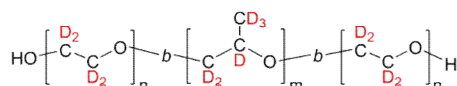
P3535-dBdHBd	$M_n \times 10^3$: 5.5-b-100	Mw/Mn: 1.14	1g
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Poly(deuterated 1,4-butadiene-d6)-b-poly(1,4-butadiene)-b-poly(deuterated 1,4-butadiene-d6)



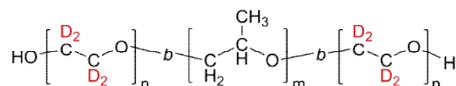
P3536-dBdHBddBd	Mn x 10 ³ : 4.8-b-88.0-b-5.5	Mw/Mn : 1.03	lg
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Poly(deuterated ethylene oxide-d4)-b-poly(deuterated propylene oxide-d6)-b-poly(deuterated ethylene oxide-d4)



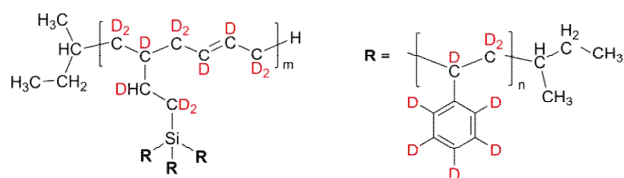
P11058-dPEOdPPOdPEO	Mn x 10 ³ : 0.45-b-1.8-b-0.45	Mw/Mn : 1.22	lg
P18094-dPEOdPPOdPEO	Mn x 10 ³ : 0.5-b-2.1-b-0.5	Mw/Mn : 1.18	lg
P1930-dPEOdPPOdPEO	Mn x 10 ³ : 3.6-b-2.0-b-3.6	Mw/Mn : 1.08	lg
P1927-dPEOdPPOdPEO	Mn x 10 ³ : 5.6-b-2.0-b-5.0	Mw/Mn : 1.07	lg

Poly(deuterated ethylene oxide-d4)-b-poly(propylene oxide)-b-poly(deuterated ethylene oxide-d4)



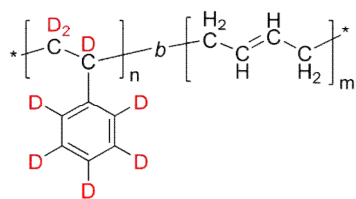
P4126-dEOPPOdEO	Mn x 10 ³ : 3.2-b-2.0-b-3.2	Mw/Mn : 1.1	lg
P19308-dPEOdPPOdPEO	Mn x 10 ³ : 3.4-b-1.7-b-3.4	Mw/Mn : 1.06	lg

Poly(deuterated styrene-d8) grafted on oligo(deuterated 1,2-butadiene-d6), end-groups are hydrogen-containing



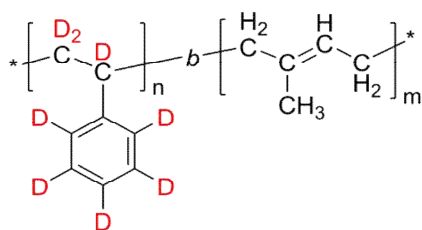
P18452-12S-d8	Mn x 10 ³ : 1.2 (arm), 14.5 (total)	Mw/Mn : 1.06	12-arm PS	1g
P18452A-12S-d8	Mn x 10 ³ : 1.2 (arm), 13 (total)	Mw/Mn : 1.12	12-arm PS	1g
P18453-12S-d8	Mn x 10 ³ : 1.6 (arm), 19.5 (total)	Mw/Mn : 1.1	12-arm PS	1g

Poly(deuterated styrene-d8)-b-poly(1,4-butadiene)



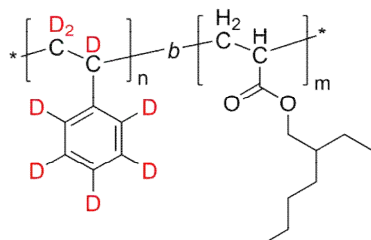
P1624-dPSBd	Mn x 10 ³ : 39-b-11.0	Mw/Mn : 1.04		1g
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Poly(deuterated styrene-d8)-b-poly(1,4-isoprene)



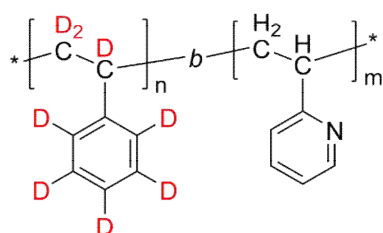
P3031-dPSIp	$M_n \times 10^3$: 3-b-3.0	Mw/Mn : 1.06	1g
P1576-dPSIp	$M_n \times 10^3$: 5-b-19.0	Mw/Mn : 1.03	1g
P1575-dPSIp	$M_n \times 10^3$: 8.3-b-8.1	Mw/Mn : 1.03	1g
P716-dPSIp	$M_n \times 10^3$: 11.5-b-47.4	Mw/Mn : 1.06	1g
P1577-dPSIp	$M_n \times 10^3$: 19-b-5.8	Mw/Mn : 1.03	1g
P4160- dPSIp	$M_n \times 10^3$: 35-b-36.0	Mw/Mn : 1.06	1g
P6224-dPSIP	$M_n \times 10^3$: 45-b-60.0	Mw/Mn : 1.05	1g
P4256- dPSIp	$M_n \times 10^3$: 52-b-53.0	Mw/Mn : 1.05	1g
P4162- dPSIp	$M_n \times 10^3$: 70-b-67.0	Mw/Mn : 1.06	1g
P6375A-dPSIp	$M_n \times 10^3$: 78-b-110	Mw/Mn : 1.15	1g

Poly(deuterated styrene-d8)-b-poly(2-ethylhexyl acrylate)



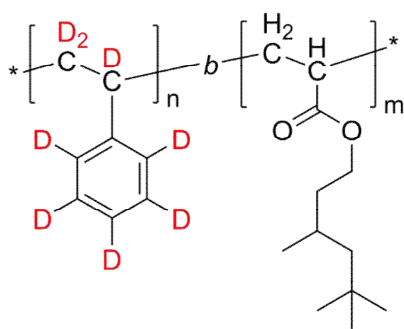
P9749A-dPSEtHA	$M_n \times 10^3$: 5.5-b-5.7	Mw/Mn : 1.09	1g
P9445A-dPSEtHA	$M_n \times 10^3$: 10-b-10.0	Mw/Mn : 1.15	1g
P9457-dPSEtHA	$M_n \times 10^3$: 10.5-b-11.5	Mw/Mn : 1.06	1g
P9447-dPSEtHA	$M_n \times 10^3$: 11-b-12.0	Mw/Mn : 1.09	1g
P9747-dPSEtHA	$M_n \times 10^3$: 11-b-2.0	Mw/Mn : 1.13	1g
P9446A-dPSEtHA	$M_n \times 10^3$: 15-b-13.0	Mw/Mn : 1.15	1g
P9446B-dPSEtHA	$M_n \times 10^3$: 15-b-16.0	Mw/Mn : 1.15	1g
P8185-dPSEtHA	$M_n \times 10^3$: 31-b-30.5	Mw/Mn : 1.09	1g
P8177-dPSEtHA	$M_n \times 10^3$: 72-b-47.0	Mw/Mn : 1.16	1g

Poly(deuterated styrene-d8)-b-poly(2-vinyl pyridine)



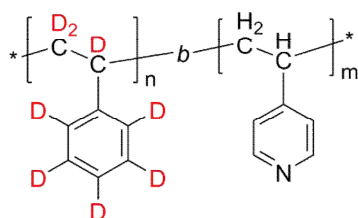
P11064-PdS2VP	$M_n \times 10^3$: 41.5-b-25	Mw/Mn : 1.1	1g
P19306-PdS2VP	$M_n \times 10^3$: 44-b-26.5	Mw/Mn : 1.12	1g
P19300-PdS2VP	$M_n \times 10^3$: 48-b-50.0	Mw/Mn : 1.11	1g
P19300B-PdS2VP	$M_n \times 10^3$: 48-b-45.5	Mw/Mn : 1.14	1g
P11063A-PdS2VP	$M_n \times 10^3$: 59.5-b-36	Mw/Mn : 1.1	1g

Poly(deuterated styrene-d8)-b-poly(3,5,5-trimethylhexyl acrylate)



P5992A-dPSTMHA	$M_n \times 10^3$: 30-b-31.5	Mw/Mn : 1.15	1g
P5997A-dPSTMHA	$M_n \times 10^3$: 30-b-25.0	Mw/Mn : 1.18	1g
P6762-dPSTMHA	$M_n \times 10^3$: 32-b-35.0	Mw/Mn : 1.18	1g
P5984A-dPSTMHA	$M_n \times 10^3$: 90-b-90.0	Mw/Mn : 1.09	1g

Poly(deuterated styrene-d8)-b-poly(4-vinyl pyridine)



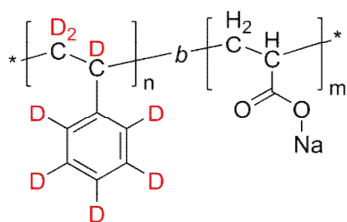
P40500-dPS4VP	$M_n \times 10^3$: 8-b-8	Mw/Mn : 1.04	0.5g
P40502-dPS4VP	$M_n \times 10^3$: 11.5-b-11.3	Mw/Mn : 1.04	0.5g

Poly(deuterated styrene-d8)-b-poly(4-vinyl pyridine)次ページに続く

Poly(deuterated styrene-d8)-b-poly(4-vinyl pyridine)前ページからの続き

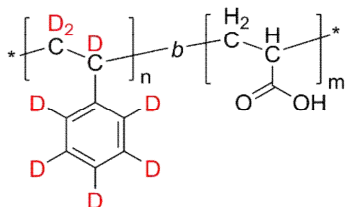
P40648-dPS4VP	$M_n \times 10^3$: 15-b-7	Mw/Mn : 1.03	0.5g
P40499-dPS4VP	$M_n \times 10^3$: 16-b-13	Mw/Mn : 1.15	0.5g
P40469-dPS4VP	$M_n \times 10^3$: 19.5-b-5.5	Mw/Mn : 1.08	0.5g
P10340-dPS4VP	$M_n \times 10^3$: 40-b-15.0	Mw/Mn : 1.15	0.5g
P10339-dPS4VP	$M_n \times 10^3$: 65-b-19.0	Mw/Mn : 1.18	0.5g

Poly(deuterated styrene-d8)-b-poly(acrylic acid sodium salt)



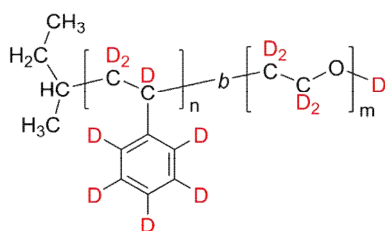
P922-dPSANa	$M_n \times 10^3$: 5.3-b-31.6	Mw/Mn : 1.07	1g
P1253-dPSANa	$M_n \times 10^3$: 5.5-b-20.9	Mw/Mn : 1.13	1g
P898-dPSANa	$M_n \times 10^3$: 5.5-b-54	Mw/Mn :	1g
P924-dPSANa	$M_n \times 10^3$: 9-b-34.0	Mw/Mn : 1.07	1g
P896-dPSANa	$M_n \times 10^3$: 12.3-b-30.0	Mw/Mn : 1.08	1g

Poly(deuterated styrene-d8)-b-poly(acrylic acid)



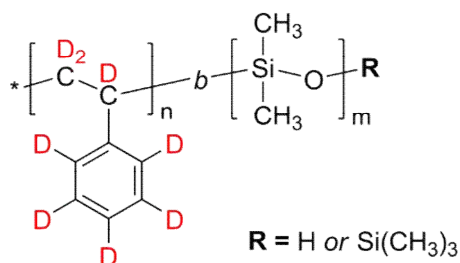
P1252-dPSAA	$M_n \times 10^3$: 3.5-b-10.8	Mw/Mn : 1.12	1g
P1253P-dPSAA	$M_n \times 10^3$: 5.5-b-16.0	Mw/Mn : 1.13	1g
P898-dPSAA	$M_n \times 10^3$: 5.5-b-43.5	Mw/Mn :	1g
P924-dPSAA	$M_n \times 10^3$: 9-b-26.0	Mw/Mn : 1.07	1g
P9446A-dPSAA	$M_n \times 10^3$: 15-b-5.0	Mw/Mn : 1.15	1g
P6761-dPSAA	$M_n \times 10^3$: 45-b-42.0	Mw/Mn : 1.09	1g

Poly(deuterated styrene-d8)-b-poly(deuterated ethylene oxide-d4)



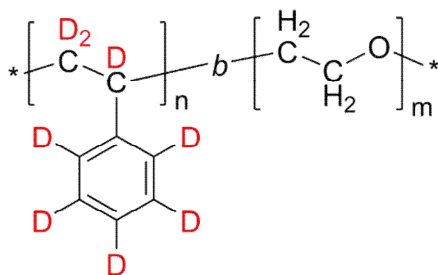
P10718A-dPSdPEO	$M_n \times 10^3$: 4.7-b-18.5	Mw/Mn : 1.08	1g
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Poly(deuterated styrene-d8)-b-poly(dimethyl siloxane)



P6192-dSDMS	$M_n \times 10^3$: 40.4-b-15.8	Mw/Mn : 1.1	1g
P6193-dSDMS	$M_n \times 10^3$: 79-b-18.6	Mw/Mn : 1.08	1g

Poly(deuterated styrene-d8)-b-poly(ethylene oxide)



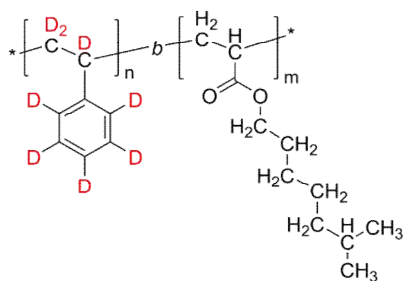
P8786-dPSEO	$M_n \times 10^3$: 6.5-b-12.0	Mw/Mn : 1.05	1g
P18187A-dPSEO	$M_n \times 10^3$: 6.8-b-14.0	Mw/Mn : 1.15	1g
P8050-dPSEO	$M_n \times 10^3$: 9-b-8	Mw/Mn : 1.6	1g
P18189-dPSEO	$M_n \times 10^3$: 9.5-b-18.5	Mw/Mn : 1.14	1g
P8045-dPSEO	$M_n \times 10^3$: 16-b-6.5	Mw/Mn : 1.08	1g
P8054-dPSEO	$M_n \times 10^3$: 16-b-5.0	Mw/Mn : 1.08	1g
P1949-dPSEO	$M_n \times 10^3$: 31-b-90.0	Mw/Mn : 1.15	1g

Poly(deuterated styrene-d8)-b-poly(ethylene oxide)次ページに続く

Poly(deuterated styrene-d8)-b-poly(ethylene oxide)前ページからの続き

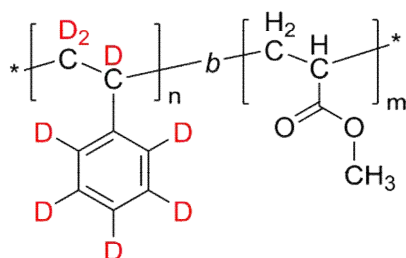
P8051-dPSEO	$M_n \times 10^3$: 50-b-25.0	Mw/Mn : 1.25	1g
P19196-dPSEO	$M_n \times 10^3$: 54.5-b-45.0	Mw/Mn : 1.08	1g
P2828-dPSEO	$M_n \times 10^3$: 75-b-135	Mw/Mn : 1.15	1g
P19195-dPSEO	$M_n \times 10^3$: 82-b-45.0	Mw/Mn : 1.12	1g
P8793A-dPSEO	$M_n \times 10^3$: 106-b-35.0	Mw/Mn : 1.15	1g
P8793B-dPSEO	$M_n \times 10^3$: 106-b-30.0	Mw/Mn : 1.15	1g
P8793C-dPSEO	$M_n \times 10^3$: 106-b-26.0	Mw/Mn : 1.1	1g
P19197-dPSEO	$M_n \times 10^3$: 125.5-b-68.0	Mw/Mn : 1.16	1g
P2796-dPSEO	$M_n \times 10^3$: 155-b-9.0	Mw/Mn : 1.08	1g
P2775-dPSEO	$M_n \times 10^3$: 189-b-2.0	Mw/Mn : 1.05	1g
P2780-dPSEO	$M_n \times 10^3$: 189-b-2.0	Mw/Mn : 1.06	1g
P2825-dPSEO	$M_n \times 10^3$: 335-b-395	Mw/Mn : 1.1	1g

Poly(deuterated styrene-d8)-b-poly(iso-octyl acrylate)



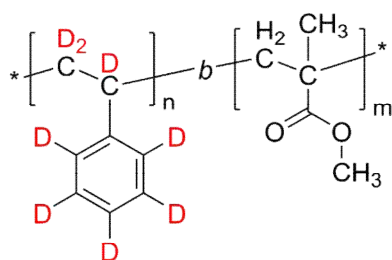
P9749B-dPSisoOctA	$M_n \times 10^3$: 5.5-b-5.7	Mw/Mn : 1.09	0.5g
P9445B-dPSisoOctA	$M_n \times 10^3$: 10-b-10	Mw/Mn : 1.15	0.5g
P9457-dPSisoOctA	$M_n \times 10^3$: 10.5-b-11.5	Mw/Mn : 1.06	0.5g
P9448-dPSisoOctA	$M_n \times 10^3$: 11-b-12.0	Mw/Mn : 1.09	0.5g
P9308-dPSisoOctA	$M_n \times 10^3$: 27-b-13.0	Mw/Mn : 1.13	0.5g
P9295-dPSisoOctA	$M_n \times 10^3$: 30-b-29.0	Mw/Mn : 1.19	0.5g

Poly(deuterated styrene-d8)-b-poly(methyl acrylate)



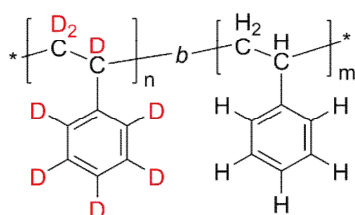
P18274A-dPSMA	$M_n \times 10^3$: 11-b-7.5	Mw/Mn : 1.05	1g
P18284A-dPSMA	$M_n \times 10^3$: 19-b-19.5	Mw/Mn : 1.06	1g
P18275-dPSMA	$M_n \times 10^3$: 19.5-b-13	Mw/Mn : 1.05	1g

Poly(deuterated styrene-d8)-b-poly(methyl methacrylate)



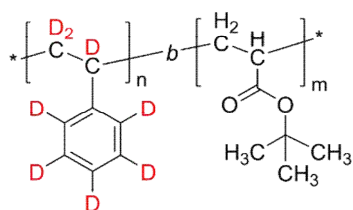
P19238B-dPSMMA	$M_n \times 10^3$: 4.5-b-47.0	Mw/Mn : 1.5	1g
P19238A-dPSMMA	$M_n \times 10^3$: 4.5-b-114.0	Mw/Mn : 1.4	1g
P19238-dPSMMA	$M_n \times 10^3$: 4.5-b-9.0	Mw/Mn : 1.45	1g
P1730-dPSMMA	$M_n \times 10^3$: 11-b-8.5	Mw/Mn : 1.08	1g
P1726-dPSMMA	$M_n \times 10^3$: 12-b-8.0	Mw/Mn : 1.07	1g
P40177-dPSMMA	$M_n \times 10^3$: 13-b-10	Mw/Mn : 1.05	1g
P1727-dPSMMA	$M_n \times 10^3$: 14-b-8.0	Mw/Mn : 1.07	1g
P1728-dPSMMA	$M_n \times 10^3$: 15-b-11.0	Mw/Mn : 1.1	1g
P40176-dPSMMA	$M_n \times 10^3$: 18-b-17.5	Mw/Mn : 1.07	1g
P1715-dPSMMA	$M_n \times 10^3$: 29.5-b-32.5	Mw/Mn : 1.09	1g
P19151-dPSMMA	$M_n \times 10^3$: 37-b-48.0	Mw/Mn : 1.07	1g
P1069-dPSMMA	$M_n \times 10^3$: 37-b-46	Mw/Mn : 1.05	1g
P1070-dPSMMA	$M_n \times 10^3$: 39.9-b-52.1	Mw/Mn : 1.06	1g
P19132-dPSMMA	$M_n \times 10^3$: 46-b-34.0	Mw/Mn : 1.12	1g
P19133-dPSMMA	$M_n \times 10^3$: 47-b-50.0	Mw/Mn : 1.12	1g
P19127A-dPSMMA	$M_n \times 10^3$: 50.5-b-3.0	Mw/Mn : 1.1	1g
P19127-dPSMMA	$M_n \times 10^3$: 50.5-b-10.0	Mw/Mn : 1.1	1g
P8792-dPSMMA	$M_n \times 10^3$: 68-b-36	Mw/Mn : 1.1	1g
P374-dPSMMA	$M_n \times 10^3$: 104.7-b-4.4	Mw/Mn : 1.05	1g
P10594-dPSMMA	$M_n \times 10^3$: 110-b-112	Mw/Mn : 1.1	1g
P10593-dPSMMA	$M_n \times 10^3$: 130-b-128	Mw/Mn : 1.16	1g

Poly(deuterated styrene-d8)-b-poly(styrene)



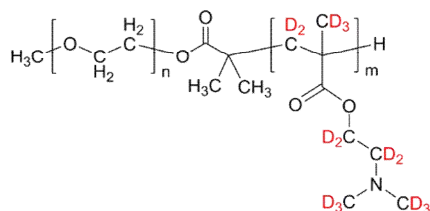
P3593A-dPSS	$M_n \times 10^3$: 15-b-1.2	Mw/Mn : 2.7	1g
P4158A-dPSS	$M_n \times 10^3$: 16-b-210	Mw/Mn : 1.1	1g
P4158B-dPSS	$M_n \times 10^3$: 16-b-30.0	Mw/Mn : 1.5	1g
P2004-dPSS	$M_n \times 10^3$: 90-b-110	Mw/Mn : 1.19	1g
P2003-dPSS	$M_n \times 10^3$: 100-b-165	Mw/Mn : 1.16	1g
P2005-dPSS	$M_n \times 10^3$: 120-b-145	Mw/Mn : 1.14	1g
P2007-dPSS	$M_n \times 10^3$: 233-b-265	Mw/Mn : 1.2	1g
P1987-dPSS	$M_n \times 10^3$: 1,000-b-121	Mw/Mn : 1.35	1g

Poly(deuterated styrene-d8)-b-poly(tert-butyl acrylate)

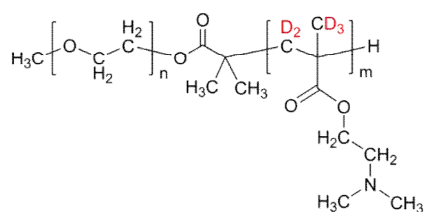


P1250-dPStBuA	$M_n \times 10^3$: 4-b-23.0	Mw/Mn : 1.09	1g
P1251-dPStBuA	$M_n \times 10^3$: 4.5-b-21.5	Mw/Mn : 1.09	1g
P922-dPStBuA	$M_n \times 10^3$: 5.3-b-43.0	Mw/Mn : 1.07	1g
P1253-dPStBuA	$M_n \times 10^3$: 5.5-b-28.5	Mw/Mn : 1.13	1g
P895-dPStBuA	$M_n \times 10^3$: 5.5-b-73.3	Mw/Mn : 1.17	1g
P9749-dPStBuA	$M_n \times 10^3$: 5.5-b-4.0	Mw/Mn : 1.12	1g
P1248-dPStBuA	$M_n \times 10^3$: 6.9-b-26.7	Mw/Mn : 1.07	1g
P923-dPStBuA	$M_n \times 10^3$: 9-b-46.3	Mw/Mn : 1.07	1g
P18274-dPStBuA	$M_n \times 10^3$: 11-b-11.5	Mw/Mn : 1.05	1g
P920-dPStBuA	$M_n \times 10^3$: 11.2-b-42.9	Mw/Mn : 1.08	1g
P894-dPStBuA	$M_n \times 10^3$: 12.3-b-40.5	Mw/Mn : 1.08	1g
P18280B-dPStBuA	$M_n \times 10^3$: 13.5-b-15	Mw/Mn : 1.06	1g
P18280A-dPStBuA	$M_n \times 10^3$: 14-b-13.5	Mw/Mn : 1.11	1g
P9446-dPStBuA	$M_n \times 10^3$: 15-b-9.0	Mw/Mn : 1.15	1g
P8175-dPStBuA	$M_n \times 10^3$: 27-b-9.0	Mw/Mn : 1.07	1g
P8179-dPStBuA	$M_n \times 10^3$: 29-b-19	Mw/Mn : 1.09	1g
P5997-dPStBuA	$M_n \times 10^3$: 30-b-14.0	Mw/Mn : 1.18	1g
P8182-dPStBuA	$M_n \times 10^3$: 31-b-22.0	Mw/Mn : 1.09	1g
P8173-dPStBuA	$M_n \times 10^3$: 35-b-35.0	Mw/Mn : 1.5	1g
P5993-dPStBuA	$M_n \times 10^3$: 52-b-20.0	Mw/Mn : 1.2	1g
P5988-dPStBuA	$M_n \times 10^3$: 63-b-35.0	Mw/Mn : 1.18	1g
P8176-dPStBuA	$M_n \times 10^3$: 72-b-30.0	Mw/Mn : 1.1	1g
P8181-dPStBuA	$M_n \times 10^3$: 72-b-40.0	Mw/Mn : 1.1	1g
P5987-dPStBuA	$M_n \times 10^3$: 78-b-40.0	Mw/Mn : 1.25	1g
P5984-dPStBuA	$M_n \times 10^3$: 90-b-58	Mw/Mn : 1.09	1g
P8180-dPStBuA	$M_n \times 10^3$: 106-b-38	Mw/Mn : 1.1	1g

Poly(ethylene oxide)-b-poly(deuterated 2-dimethylaminoethyl methacrylate-d15)



P19347- EO d (15) DMAEMA	$M_n \times 10^3$: 9-b-7.0	Mw/Mn : 1.19	0.5g
P19347A-EOd(15)DMAEMA	$M_n \times 10^3$: 9-b-4.5	Mw/Mn : 1.19	0.5g
P19365-EOd(15)DMAEMA	$M_n \times 10^3$: 9-b-6.5	Mw/Mn : 1.19	0.5g

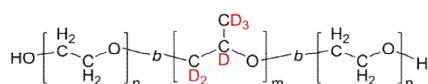
Poly(ethylene oxide)-b-poly(deuterated 2-dimethylaminoethyl methacrylate-d5)

P19353- EOd(5)DMAEMA

 $M_n \times 10^3$: 9-b-0.9

Mw/Mn : 1.1

0.5g

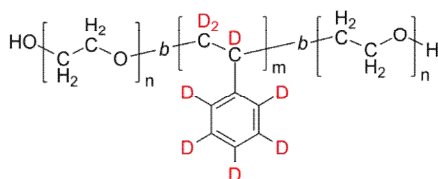
Poly(ethylene oxide)-b-poly(deuterated propylene oxide-d6)-b-poly(ethylene oxide)

P3749-PEOdPPOPEO

 $M_n \times 10^3$: 3.1-b-2.0-b-3.1

Mw/Mn : 1.08

1g

Poly(ethylene oxide)-b-poly(deuterated styrene-d8)-b-poly(ethylene oxide)

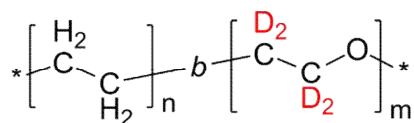
P9064-EOdPSEO

 $M_n \times 10^3$: 3.2-b-17.0-b-3.2

Mw/Mn : 1.15

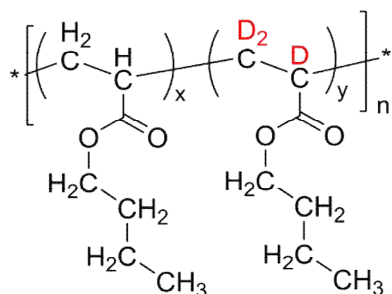
1g

Poly(ethylene)-b-poly(deuterated ethylene oxide-d4)



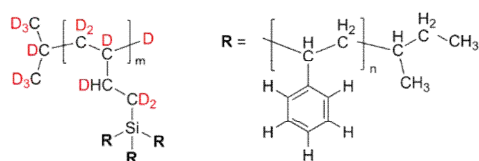
P4322-PEdPEO	Mn x 10 ³ : 1.1-b-1.1	Mw/Mn : 1.06	1g
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Poly(N-butylacrylate-co-[deuterated N-butylacrylate-d3]), random



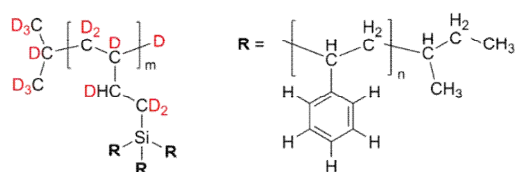
P10642A-d3nBuAnBuA	Mn x 10 ³ : 350	Mw/Mn : 1.8	20% nBuA-d4	1g
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Poly(styrene) grafted on oligo(deuterated 1,2-butadiene-d4), PS arms are hydrogen-containing



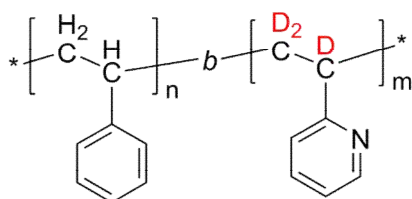
P18826-20S	Mn x 10 ³ : 0.8 (arm), 16 (total)	Mw/Mn : 1.25	20-arm PS	0.5g
P18560-68S	Mn x 10 ³ : 1 (arm), 68.5 (total)	Mw/Mn : 1.17	68-arm PS	0.5g
P18562-33S	Mn x 10 ³ : 1.2 (arm), 40 (total)	Mw/Mn : 1.17	33-arm PS	0.5g
P18827-17S	Mn x 10 ³ : 1.2 (arm), 20.5 (total)	Mw/Mn : 12.35	17-arm PS	0.5g
P18827B-14S	Mn x 10 ³ : 1.2 (arm), 16.8 (total)	Mw/Mn : 1.14	24-arm PS	0.5g

Poly(styrene) grafted on oligo(deuterated 1,2-butadiene-d4), PS arms are hydrogen-containing



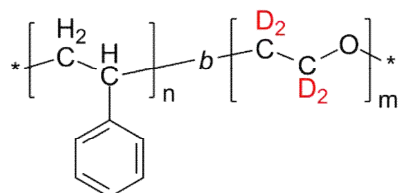
P18826-20S	Mn x 10 ³ : 0.8 (arm), 16 (total)	Mw/Mn : 1.25	20-arm PS	0.5g
P18560-68S	Mn x 10 ³ : 1 (arm), 68.5 (total)	Mw/Mn : 1.17	68-arm PS	0.5g
P18562-33S	Mn x 10 ³ : 1.2 (arm), 40 (total)	Mw/Mn : 1.17	33-arm PS	0.5g
P18827-17S	Mn x 10 ³ : 1.2 (arm), 20.5 (total)	Mw/Mn : 1.35	17-arm PS	0.5g
P18827B-14S	Mn x 10 ³ : 1.2 (arm), 16.8 (total)	Mw/Mn : 1.14	14-arm PS	0.5g

Poly(styrene)-b-poly(deuterated 2-vinyl pyridine-d3)



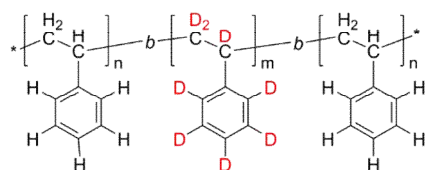
P2960-Sd32VP	Mn x 10 ³ : 54-b-5.0	Mw/Mn : 1.08	1g
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Poly(styrene)-b-poly(deuterated ethylene oxide-d4)



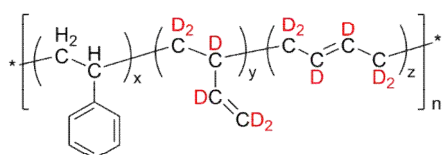
P3815-SdEO	Mn x 10 ³ : 106-b-22.0	Mw/Mn : 1.12	1g
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Poly(styrene)-b-poly(deuterated styrene-d8)-b-poly(styrene)



P6137-SdPSS	$M_n \times 10^3$: 1.2-b-17.0-b-1.1	Mw/Mn : 1.06	1g
P6136-SdPSS	$M_n \times 10^3$: 2.6-b-32.5-b-2.6	Mw/Mn : 1.07	1g
P4157-SdPSS	$M_n \times 10^3$: 3-b-400-b-10.0	Mw/Mn : 1.5	1g
P4159-SdPSS	$M_n \times 10^3$: 8-b-56.0-b-5.0	Mw/Mn : 1.07	1g
P4161-SdPSS	$M_n \times 10^3$: 10-b-145-b-10.0	Mw/Mn : 1.1	1g
P4158-SdPSS	$M_n \times 10^3$: 16-b-210-b-16.0	Mw/Mn : 1.15	1g

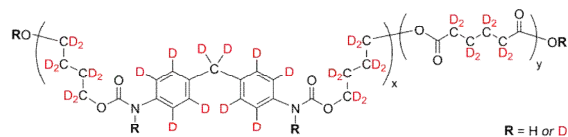
Poly(styrene-co-[deuterated butadiene-d6]), random



P18634-PsdBd	$M_n \times 10^3$: 43	Mw/Mn : 1.2	S = 25 wt%	1g
P18630-PSdBd	$M_n \times 10^3$: 50.5	Mw/Mn : 1.23	S = 25 wt%	1g

Polyurethane (completely deuterated): dMDI-dADA-dBDL

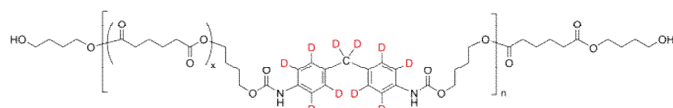
dMDI is for deuterated poly(4,4'-methylenebis[phenyl isocyanate]); dADA is for deuterated poly(adipic acid); dBDL is for deuterated poly(1,4-butanediol).



P19389-dPU	$M_n \times 10^3$: 46	Mw/Mn : 1.5	0.5g
P19432-dPU	$M_n \times 10^3$: 138	Mw/Mn : 2.5	0.5g

Polyurethane (partially deuterated): dMDI-ADA-BDL

dMDI is for deuterated poly(4,4'-methylenebis[phenyl isocyanate]); ADA is for poly(adipic acid); BDL is for poly(1,4-butanediol).



P19278-PU	$M_n \times 10^3$: 7.5	Mw/Mn : 1.7	MDI deuterated/ 1:1.3	0.5g
P19396-PU	$M_n \times 10^3$: 51	Mw/Mn : 2.6	MDI deuterated	0.5g