

## ポリマー総合カタログ

重水素多腕ポリスチレン試料・重水素機多腕ポリブタジエン試料  
編

## 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一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、ご注文後約1-2週間でお届けできます。

### **★ 海外送料等について:**

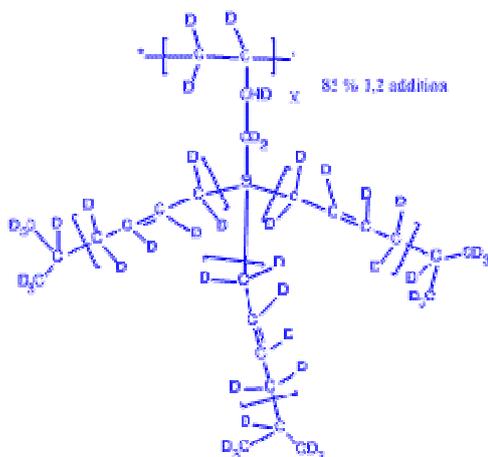
従来は、品代金に海外送料を含めてのご案内でしたが、複数点ご購入のユーザー様には海外送料の重複の弊害がございました。

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。

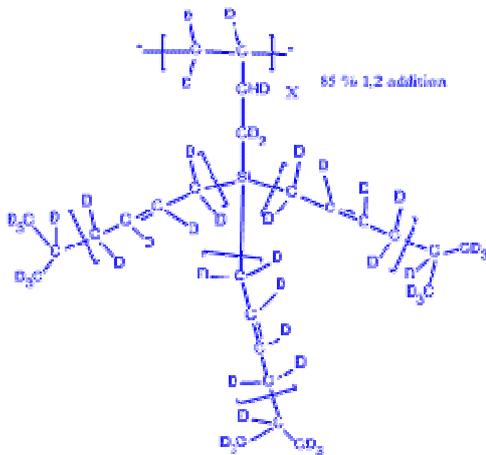
詳しくはお問い合わせ下さい。

## 100-Arm deuterated Polybutadiene



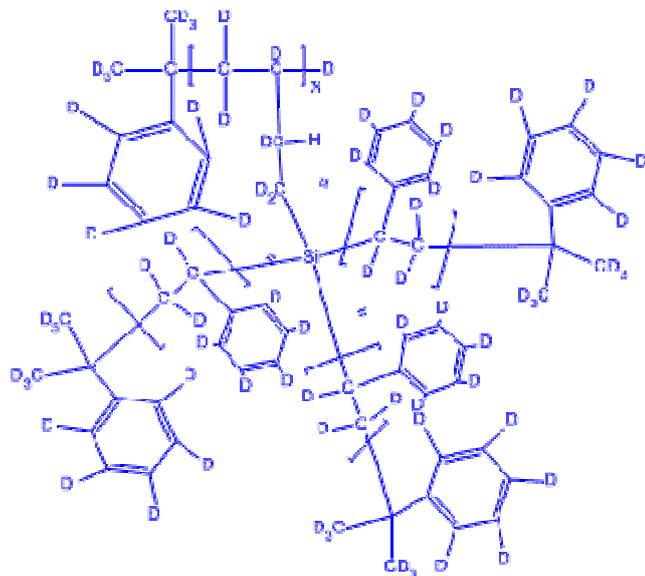
P18535-100dPBd	Mn x 10 <sup>3</sup> : 1.2	Mw/Mn : 1.1	Total Mn=122,000	0.5g
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## 10-Arm deuterated Polybutadiene



P18554B-10dPBd	Mn x 10 <sup>3</sup> : 0.8	Mw/Mn : 1.7	Total Mn=8,200	0.5g
P18554D-10dPBd	Mn x 10 <sup>3</sup> : 0.8	Mw/Mn : 1.8	Total Mn=8,500	0.5g

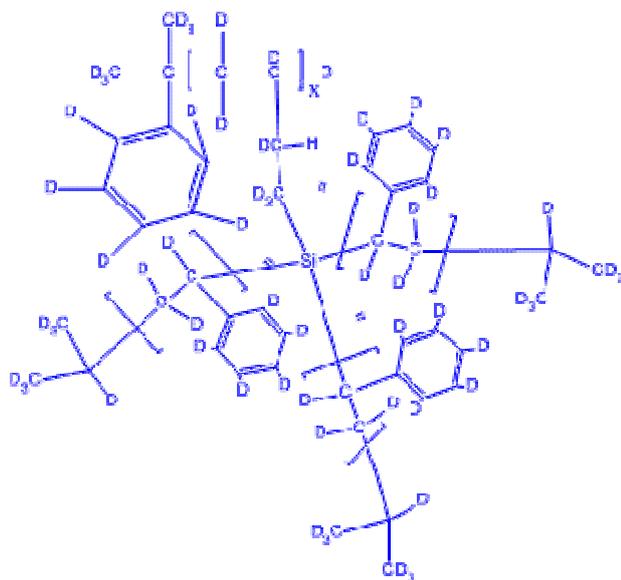
## 10-Arm deuterated Polystyrene - completely deuterated



Comments: In Comments column Mn of the final polymer

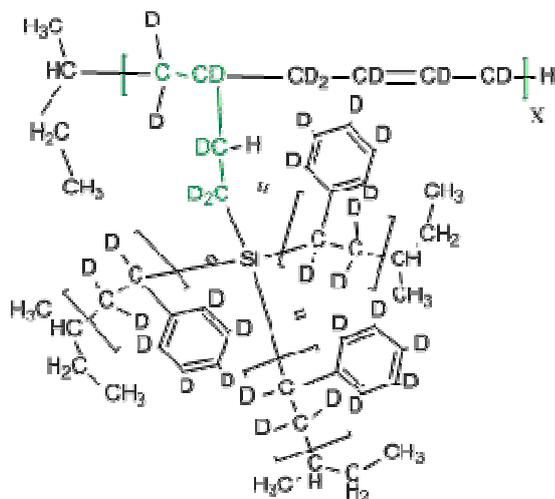
P18529C-10dPS	Mn x 10 <sup>3</sup> : 0.8	Mw/Mn : 1.13	Mn total: 8,500	0.5g
P18522C-10dPS	Mn x 10 <sup>3</sup> : 1.1	Mw/Mn : 1.1	total Mn: 11,800	0.5g
P18824-10dPS	Mn x 10 <sup>3</sup> : 1.5	Mw/Mn : 1.3	15,500	0.5g
P18515C-10dPS	Mn x 10 <sup>3</sup> : 2.5	Mw/Mn : 1.38	25,500	0.5g

## 11-Arm deuterated Polystyrene - completely deuterated



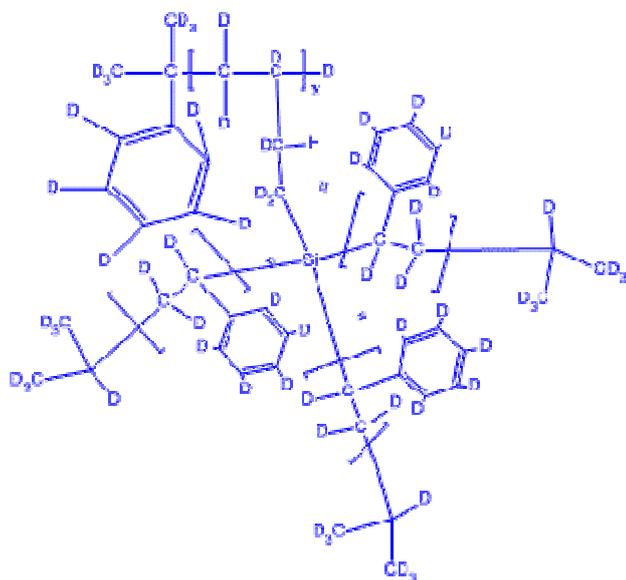
P18835A-11dPS	Mn x 10 <sup>3</sup> : 0.9	Mw/Mn : 1.38	Mn total: 10,300	0.5g
P18832-11dPS	Mn x 10 <sup>3</sup> : 3	Mw/Mn : 1.35	Mn total: 33,000	0.5g

## 12-Arm deuterated Polystyrene - partially deuterated (d8)



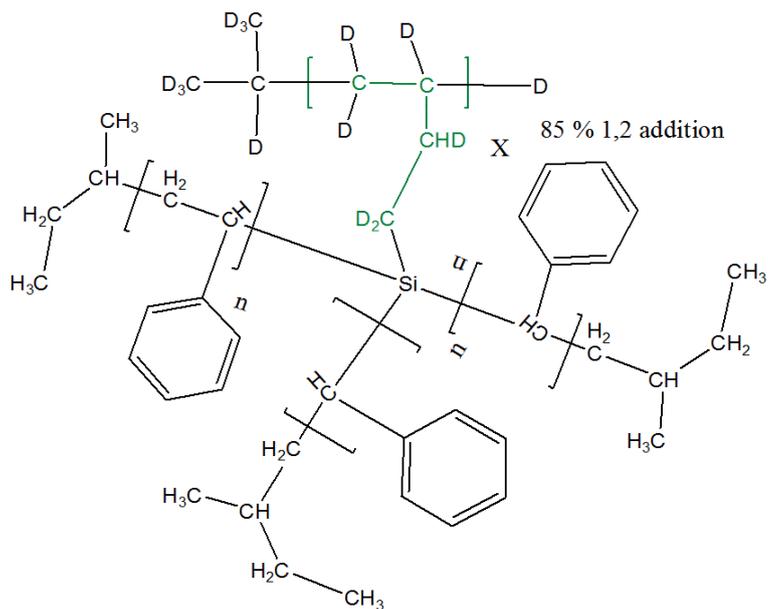
P18452-12S-d8	Mn x 10 <sup>3</sup> : 1.2	Mw/Mn : 1.06	Mn total: 14,500	1g
P18452A-12S-d8	Mn x 10 <sup>3</sup> : 1.2	Mw/Mn : 1.12	Mn total: 13,000	1g
P18453-12S-d8	Mn x 10 <sup>3</sup> : 1.6	Mw/Mn : 1.1	Mn total: 19,500	1g

## 12-Arm deuterated Polystyrene- completely deuterated



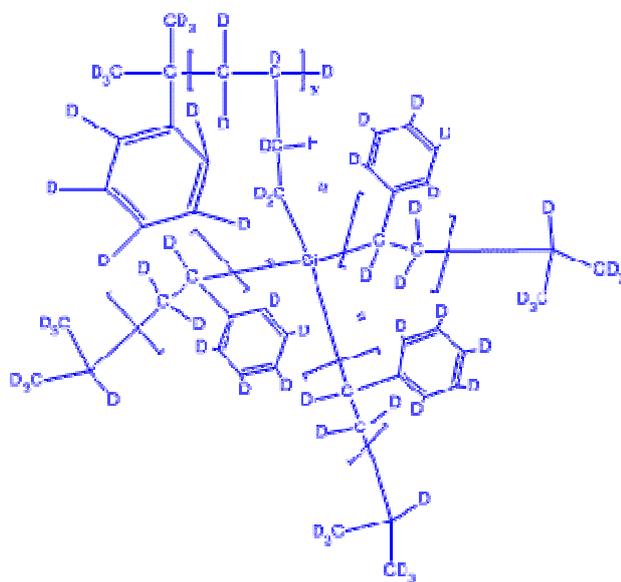
P18529B-12dPS	Mn x 10 <sup>3</sup> : 0.8	Mw/Mn : 1.14	Mn total: 10,000	0.5g
P18522D-12dPS	Mn x 10 <sup>3</sup> : 1.1	Mw/Mn : 1.17	Mn total: 13,000	0.5g
P18522A-12dPS	Mn x 10 <sup>3</sup> : 1.1	Mw/Mn : 1.16	Mn total: 12,000	0.5g

## 14-Arm (protons-containing) polystyrene grafted on deuterated polybutadiene



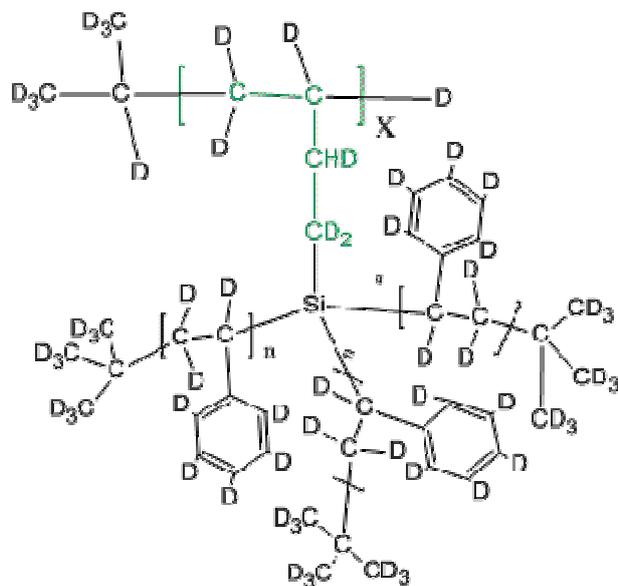
P18827B-14S	Mn x 10 <sup>3</sup> : 1.2	Mw/Mn : 1.14	Mn total: 16,800	0.5g
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## 15-Arm deuterated Polystyrene - completely deuterated



P18529A-15dPS	Mn x 10 <sup>3</sup> : 0.8	Mw/Mn : 1.24	Mn total: 12,500	0.5g
P18522B-15dPS	Mn x 10 <sup>3</sup> : 1.1	Mw/Mn : 1.27	Mn total: 17,000	0.5g

## 16-Arm deuterated Polystyrene grafted on deuterated Polybutadiene



P18829-16dPS

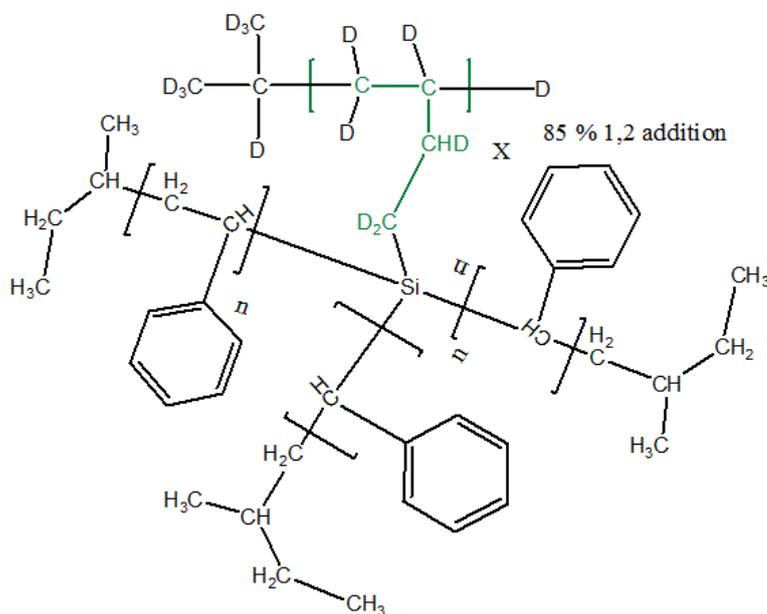
 $M_n \times 10^{-3} : 0.5$ 

Mw/Mn : 1.25

Mn total = 8,000

0.5g

## 17-Arm (protons-containing) Polystyrene grafted on deuterated Polybutadiene



P18827-17S

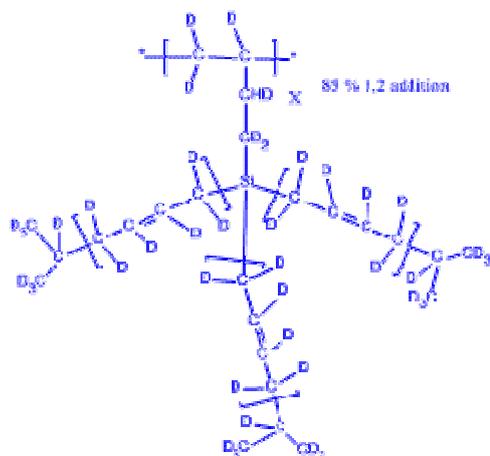
 $M_n \times 10^{-3} : 1.2$ 

Mw/Mn : 1.35

Mn total: 20,500

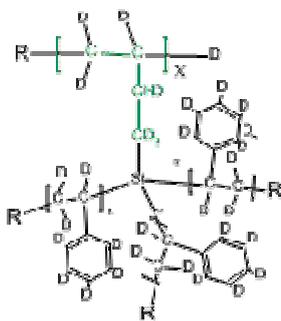
0.5g

## 17-Arm deuterated Polybutadiene



P18554C-17dPBd	$M_n \times 10^3 : 0.8$	$M_w/M_n : 1.8$	Total $M_n=13,800$	0.5g
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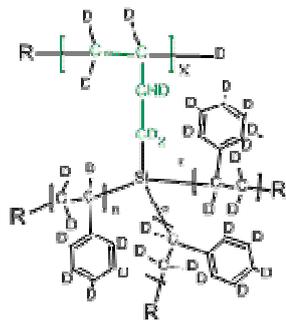
## 17-Arm deuterated Polystyrene - completely deuterated



「R」部分についてはお問合せ下さい。

P18553-17dPS	$M_n \times 10^3 : 0.7$	$M_w/M_n : 1.35$	$M_n(\text{total})=12,000$	0.5g
P18835-17dPS	$M_n \times 10^3 : 0.9$	$M_w/M_n : 1.4$	$M_n(\text{total}) : 15,500$	0.5g
P18534C-17dPS	$M_n \times 10^3 : 4.8$	$M_w/M_n : 1.1$	$M_n(\text{total}) : 84,000$	0.5g

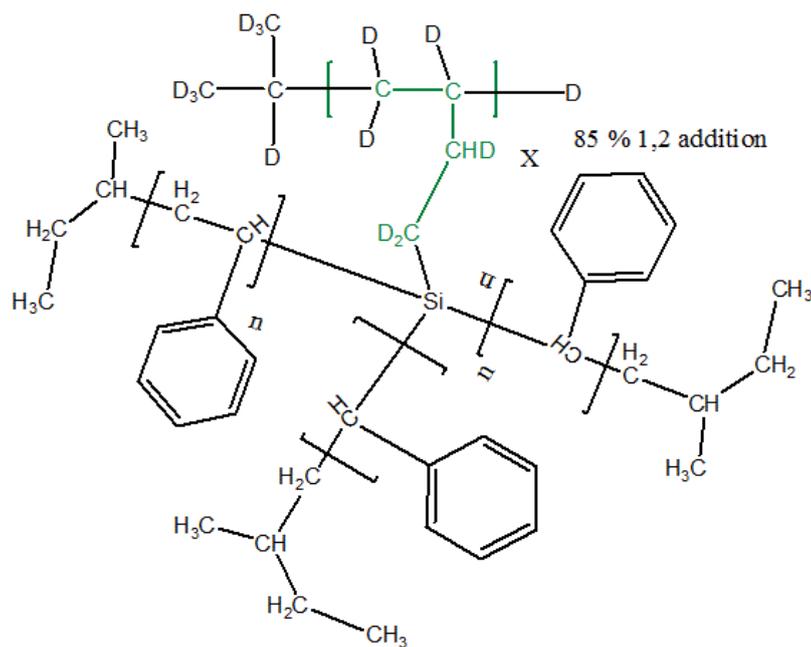
## 18-Arm deuterated Polystyrene - completely deuterated



「R」部分についてはお問合せ下さい。

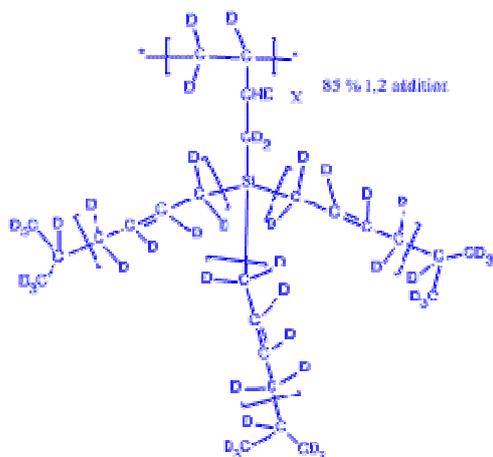
P18828-18dPS	$M_n \times 10^{-3} : 0.8$	Mw/Mn : 1.25	Mn total: 14,500	0.5g
P18514-18dPS	$M_n \times 10^{-3} : 2.5$	Mw/Mn : 2	Mn total: 46,500	0.5g
P18534B-18dPS	$M_n \times 10^{-3} : 4.8$	Mw/Mn : 1.1	Mn total: 88,000	0.5g

## 20-Arm (protons-containing) Polystyrene grafted on deuterated Polybutadiene



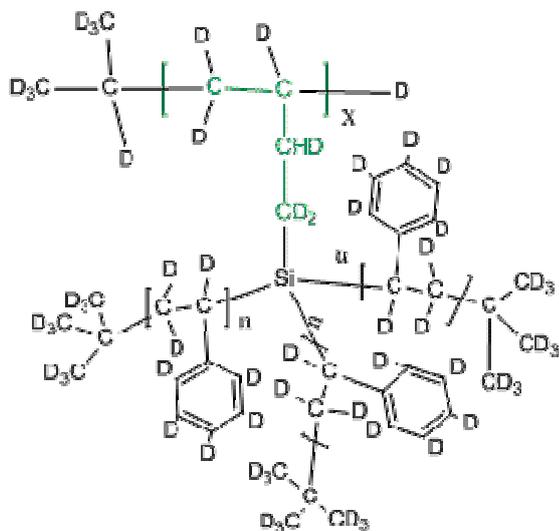
P18826-20S	$M_n \times 10^{-3} : 0.8$	Mw/Mn : 1.25	Mn total: 16,000	0.5g
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21-Arm deuterated Polybutadiene



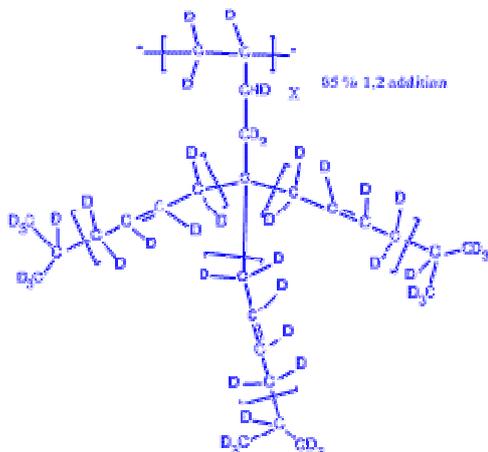
P18568B-21dPBd	Mn x 10 <sup>3</sup> : 1.3	Mw/Mn : 1.65	Total Mn=27,500	0.5g
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21-Arm deuterated Polystyrene - completely deuterated



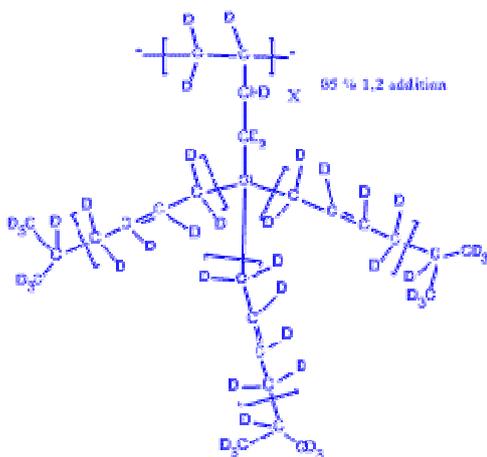
P18534A-21dPS	Mn x 10 <sup>3</sup> : 4.8	Mw/Mn : 1.1	Mn(total)=105,000	0.5g
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## 23-Arm deuterated Polybutadiene



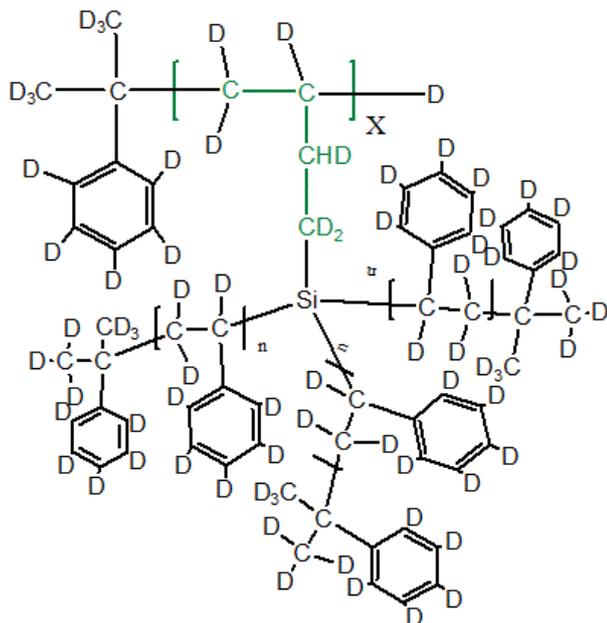
P18554A-23dPBd	$M_n \times 10^3 : 0.8$	$M_w/M_n : 2$	Total $M_n=19,000$	0.5g
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## 24-Arm deuterated Polybutadiene



P18568A-24dPBd	$M_n \times 10^3 : 1.3$	$M_w/M_n : 1.65$	Total $M_n=31,600$	0.5g
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## 25-Arm deuterated Polystyrene - completely deuterated



P18572-25dPS

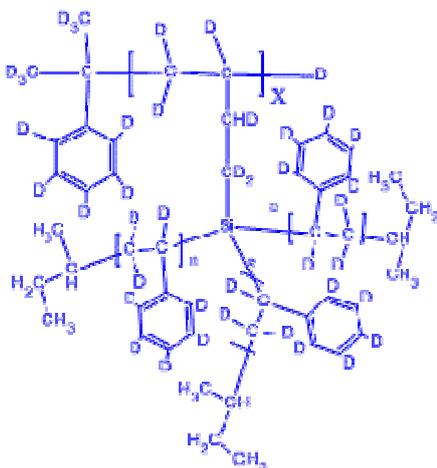
 $M_n \times 10^3 : 0.8$ 

Mw/Mn : 1.34

 $M_n(\text{total})=20,500$ 

0.5g

## 32-Arm deuterated Polystyrene - completely deuterated



P18491-32dPS

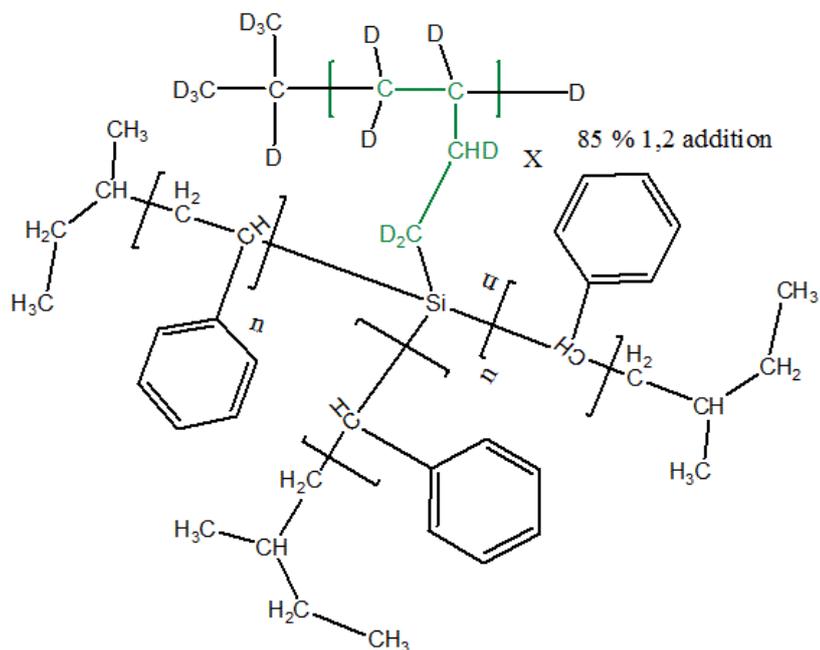
 $M_n \times 10^3 : 1.3$ 

Mw/Mn : 1.1

Mn total: 42,000

0.5g

## 33-Arm (protons-containing) Polystyrene with deuterated core



P18562-33S

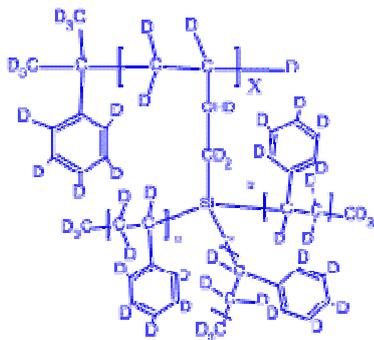
 $M_n \times 10^3 : 1.2$ 

Mw/Mn : 1.17

 $M_n(\text{total})=40,000$ 

0.5g

## 3-Arm deuterated Polystyrene - completely deuterated



P18502F1-3dPS

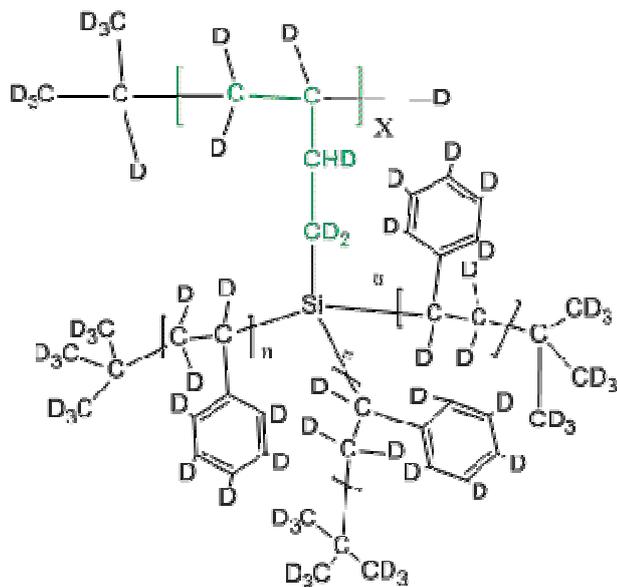
 $M_n \times 10^3 : 28.5$ 

Mw/Mn : 1.14

Mn total: 92,000

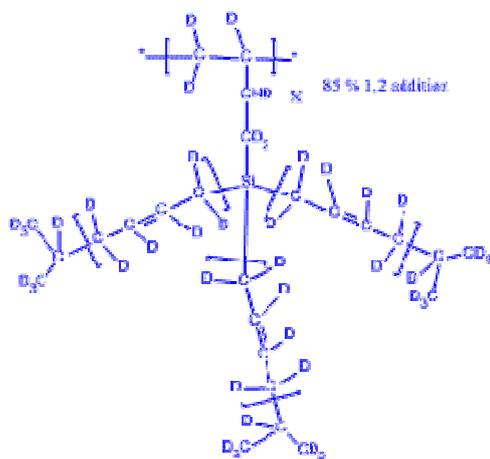
1g

44-Arm deuterated Polystyrene grafted on deuterated Polybutadiene



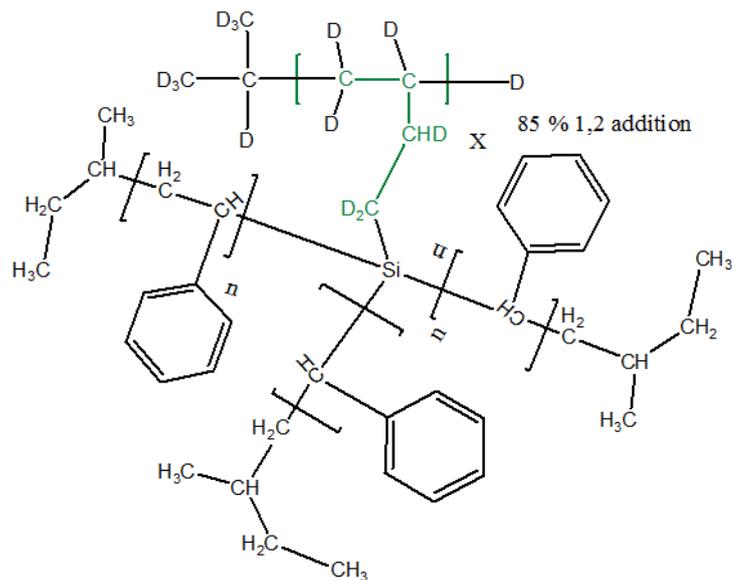
P18644-44dPS	Mn x 10 <sup>3</sup> : 1.4	Mw/Mn : 1.09	0.5g
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55-Arm deuterated Polybutadiene



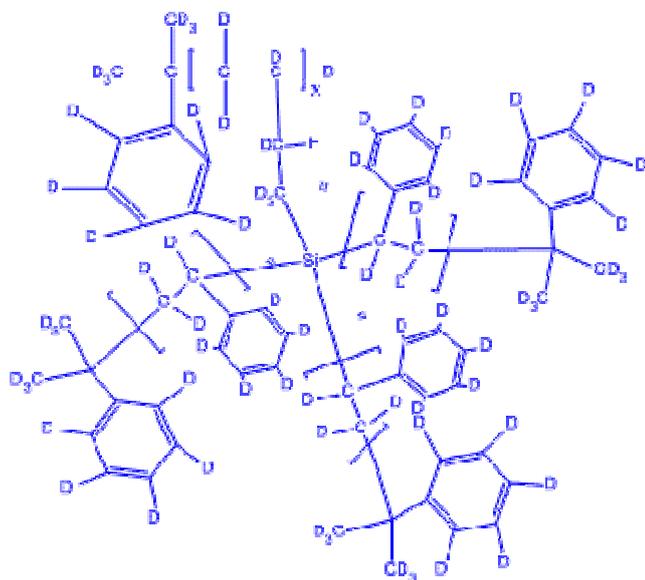
P18538-55dPBd	Mn x 10 <sup>3</sup> : 1	Mw/Mn : 1.1	Total Mn=56,500	0.5g
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## 68-Arm (protons-containing) Polystyrene with deuterated core



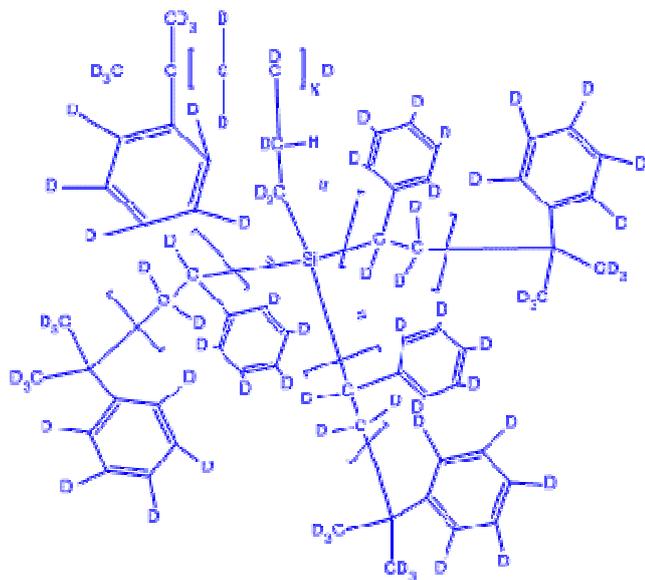
P18560-68S	$M_n \times 10^3 : 1$	$M_w/M_n : 1.17$	$M_n(\text{total})=68,500$	0.5g
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## 6-Arm deuterated Polystyrene - completely deuterated



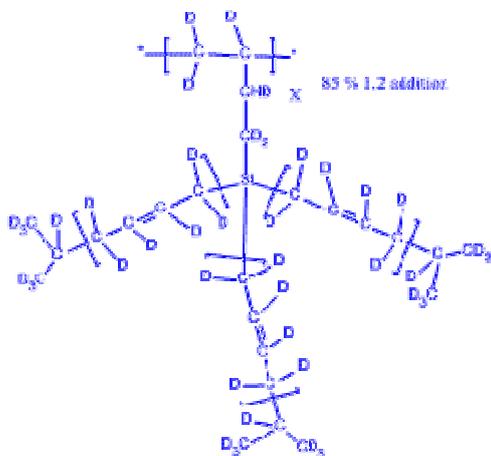
P18522E-6dPS	$M_n \times 10^3 : 1.1$	$M_w/M_n : 1.27$	$M_n \text{ total: } 7,000$	0.5g
P18515A-6dPS	$M_n \times 10^3 : 2.5$	$M_w/M_n : 1.26$	$M_n \text{ total: } 14,500$	0.5g

7-Arm deuterated Polystyrene - completely deuterated



P18515B-7dPS	Mn x 10 <sup>3</sup> : 2.5	Mw/Mn : 1.29	Mn total: 19,000	0.5g
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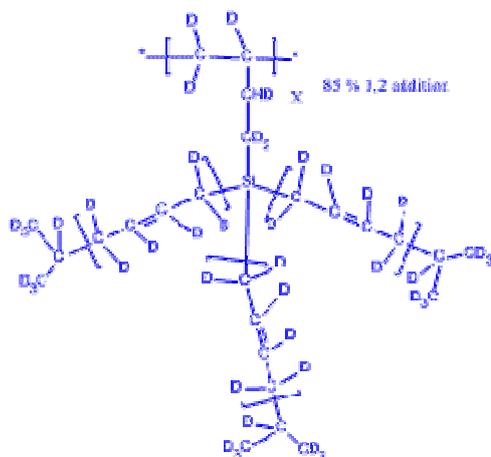
83-Arm deuterated Polybutadiene



Comments: Mn column : Mn of Branch

P18537-83dPBd	Mn x 10 <sup>3</sup> : 0.6	Mw/Mn : 1.1	Total Mn=52,500	0.5g
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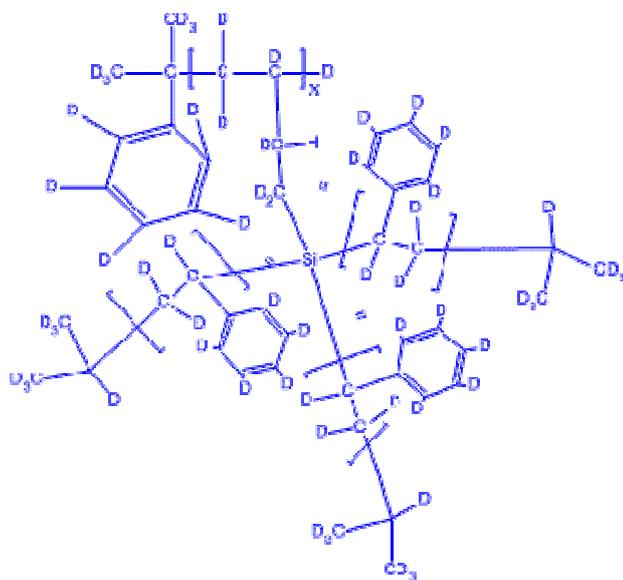
## 95-Arm deuterated Polybutadiene



Comments: Mn of the Branch

P18535B-95dPBd	Mn x 10 <sup>3</sup> : 1.2	Mw/Mn : 1.1	Total Mn=114,000	0.5g
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## 9-Arm deuterated Polystyrene - completely deuterated



P18529D-9dPS	Mn x 10 <sup>3</sup> : 0.8	Mw/Mn : 1.13	Mn total: 9,000	0.5g
P18865B-9dPS	Mn x 10 <sup>3</sup> : 1.1	Mw/Mn : 1.24	Mn total: 11,000	0.5g