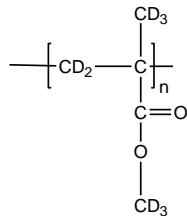


Sample Name: Poly (methyl methacrylate)-d₈
Atactic rich

Sample #: P40931-dPMMA

Structure:



Composition:

Mn x 10 ³	PDI
15.5	1.02
Tg	127 oC

Synthesis Procedure:

Deuterated poly (methyl methacrylate)-d₈ is obtained by living anionic polymerization.

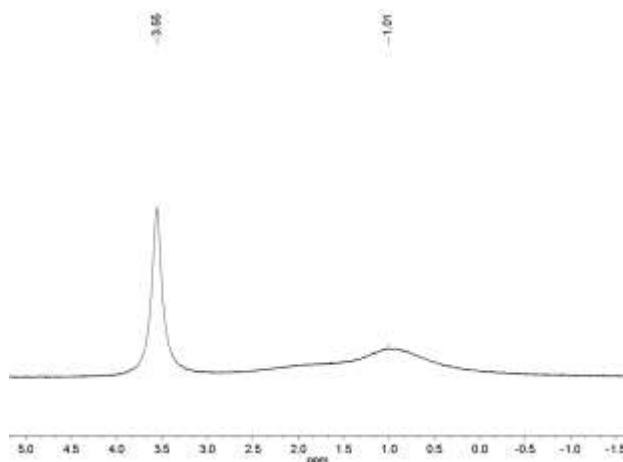
Characterization:

The product was characterized by size exclusion chromatography (SEC) and D NMR.

Solubility:

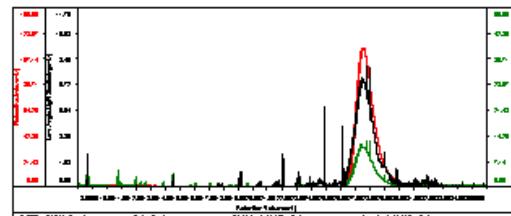
Deuterated poly (methyl methacrylate)-d₈ is soluble in THF, CHCl₃, toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

D NMR for the polymer: Atactic rich



SEC elugram of Homopolymer:

P40931-dPMMA	
Concentration (mg/mL)	5.353
Sample weight (mg)	0.090
Method File	P40931-dPMMA.msm
Column Set	3F PL 1113.GEL
Bufer	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	Mv(dL/g)	Mw (Da)
dPMMA-d ₈	15,550	15,772	1.014	0.0326	14,225

DSC Thermogram of the sample:

