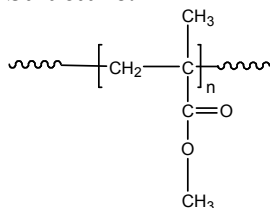


Sample Name: Poly (methyl methacrylate)
Syndiotactic rich contents > 79%

Sample #: P40266-MMA

Structure:



Composition:

Mn x 10 ³	PDI
16.0	1.13

Synthesis Procedure:

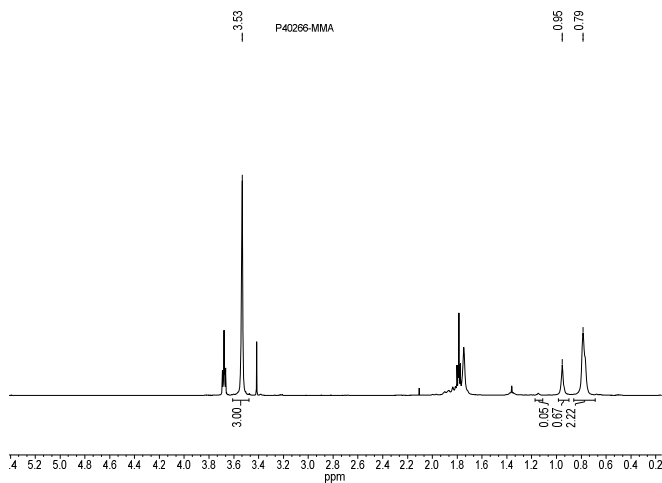
The polymer was synthesized by anionic polymerization process.

Characterization: The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

Solubility:

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

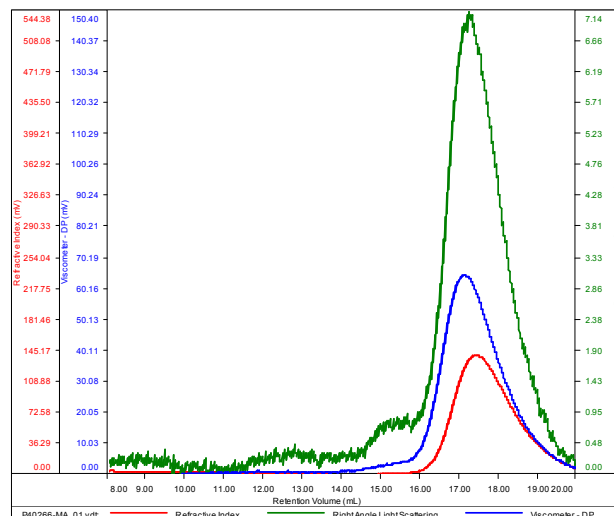
¹H NMR of Sample:



SEC of Sample

P40266--MA

Conc (mg/mL)	11.0752
dn/dc (mL/g)	0.0650
Method	PS80k:October192016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40266-MA_01.vdt	15,747	17,795	16,651	1.130	0.1158

References for further information:

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- Ph. Teyssie, R. Fayt, J. P. Hautekeer, C. Jacobs, R. Jerome, L. Leemans and S. K. Varshney *Makromolekular Chemie, Macromol. Symp.*, 1990, 32, 61-73.
- S. K. Varshney, J. P. Hautekeer, R. Fayt, R. Jerome, and Ph. Teyssie *Macromolecules*, 1990, 23, 2618-2622.