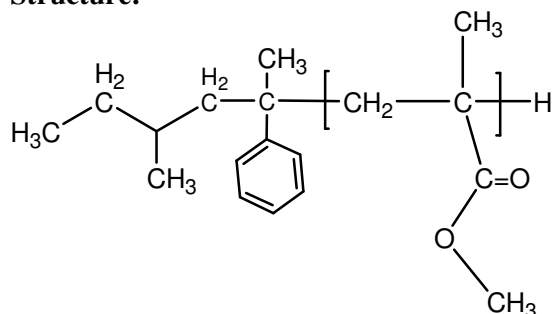Sample Name**: Poly(methyl methacrylate**
Syndiotactic rich contents>79%

Sample #: **P2713P-MMA (electronic grade)**

Structure:

Composition:

Mn x 10^3	PDI
19.0	1.02

Synthesis Procedure:
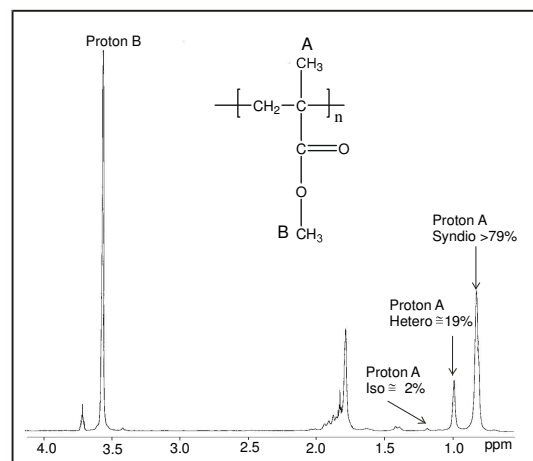The polymer was synthesized by nionic process

Characterization:By SEC and HNMR.

Solubility:
Poly(methyl methacrylate) is soluble in THF, CHCl$_3$, toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

Purification and Filtration: The obtained polymer was dissolved in 1-4 dioxane and filter through a membrane 0.5 µ nylon filter. The obtained solution was freeze dried under vacuum.
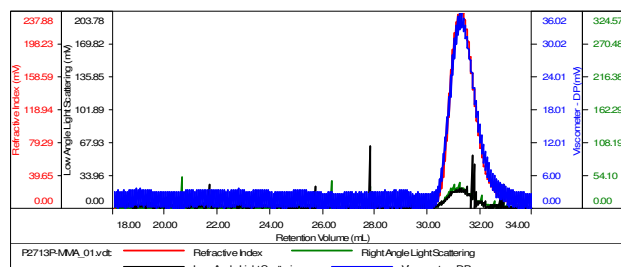
^{1}H NMR of Syndiotactic rich (> 79%) PMMA

SEC elugram of the polymer

Sample ID-P2713P-MMA electronic Grade

Concentration (mg/mL)	2.0696
Sample dn/dc (mL/g)	0.0800
Method File	PS80K-March2016-0001.vcm
Column Set	3x PL 1113-6300
Solvent	THF

P2713P-MMA_01.vdt — Refractive Index — Right Angle Light Scattering — Low Angle Light Scattering — Viscometer - DP

Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Rh (nm)	Ret Vol (mL)
P2713P-MMA_01.vdt	19,083	19,474	1.021	0.9411	8.53	31.283

References for further information:
1. (a) S. K. Varshney, R. Fayt, Ph. Teyssie, US Patent 5,629,393, 1997 (b)   Ph. Bayard, R. Fayt, Ph.Teyssie and S. K. Varshney, Vuillemin B, Phillipe, H, US patent 5,677,387, 1997.(c) Ph. Bayard, R. Fayt, Ph.Teyssie and S. K. Varshney, B,Vuillemin, H. Phillipe, US patent 5,687,534, 1997.(d) S. K. Varshney, R. Fayt, Ph. Teyssie, US Patent 5,723,559, 1998. (e) Ph. Teyssie, S. K. Varshney, R. Jerome, R. Fayt US patent, 4,826,941., 1989.
2. Ph. Teyssie, Ph. Bayard, R. Jerome, S. K. Varshney, and J. S. Wang, *35th IUPAC International Union of Pure & Applied Chemistry International Symposium on Macromolecules" 1994, 67.*
3. 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.*
4. S. K. Varshney, J. P. Hautekeer, R. Fayt, R. Jerome, and Ph.Teyssie *Macromolecules, 1990, 23, 2618-2622.*