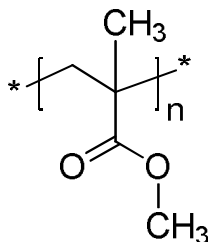


Sample name: Poly(methyl methacrylate)

Sample # I-0004-MMA

Structure:



CAS Number: 9011-14-7

Composition:

$M_n \times 10^3$ (g/mol)	M_w/M_n
49.0	1.6

Tacticity:

syndio : hetero : iso	48 : 39 : 13
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Physical properties:

Appearance:	beads
Colour:	white
Glass transition temperature:	$T_g = 107^\circ\text{C}$

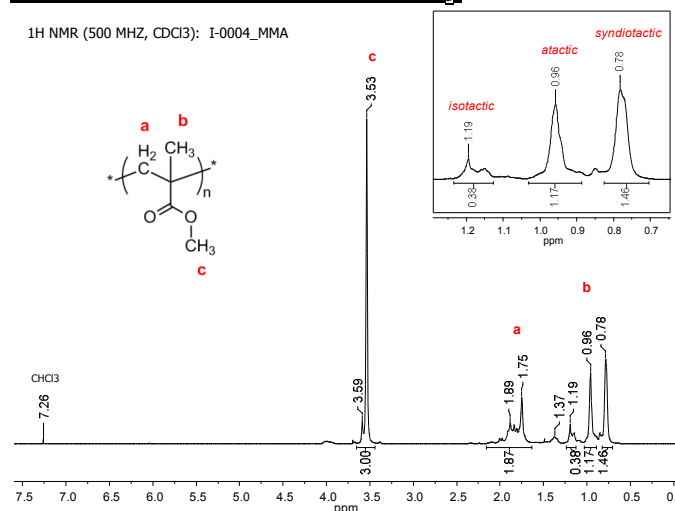
Characterization methods:

^1H NMR data was recorded on Bruker Avance III 500 NMR spectrometer. Chlorofom-d was used as a solvent.

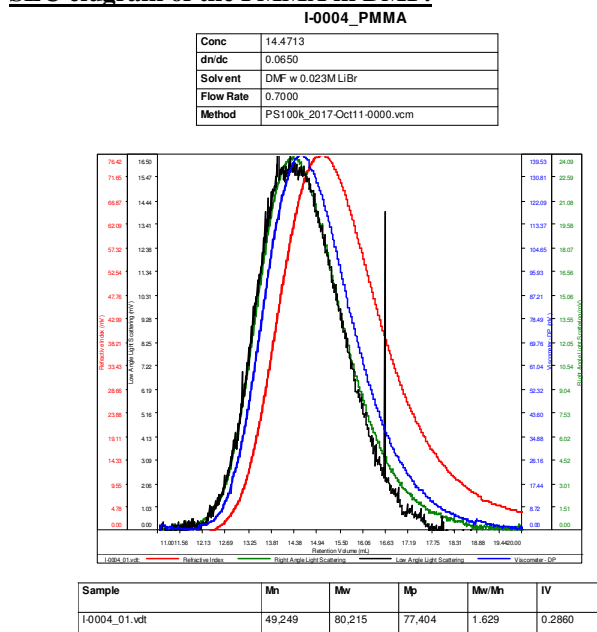
The molecular weight and polydispersity index of the polymer were determined by size exclusion chromatography (SEC).

Thermal analysis was performed on TA Instruments Q100 differential scanning calorimeter (DSC) under a nitrogen atmosphere. The glass transition temperature (T_g) of the polymer was measured at a scan rate of $10^\circ\text{C}/\text{min}$ shortly after creating thermal history of the sample.

^1H NMR spectrum of PMMA in CDCl_3 :



SEC elugram of the PMMA in DMF:



DSC thermogram (2nd heating scan, $10^\circ\text{C}/\text{min}$):

