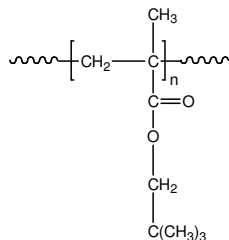


Sample Name: **Poly(neopentyl methacrylate)**

Sample #: **P18920Z-NPMA**

Structure:

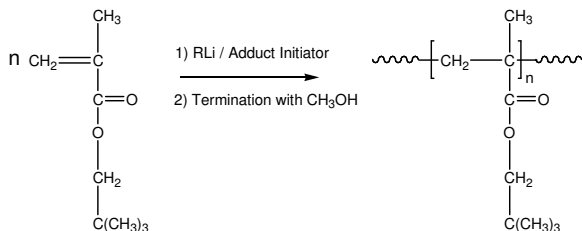


Composition:

$\text{Mn} \times 10^3$	Mw/Mn
425.0	1.5

Synthesis Procedure:

Poly(neopentyl methacrylate) was obtained by living anionic polymerization of neopentyl methacrylate. The reaction scheme used for the polymer synthesis is shown below:



Characterization:

The molecular weight and polydispersity index (Mw/Mn) of poly(neopentyl methacrylate) were obtained by size exclusion chromatography (SEC).

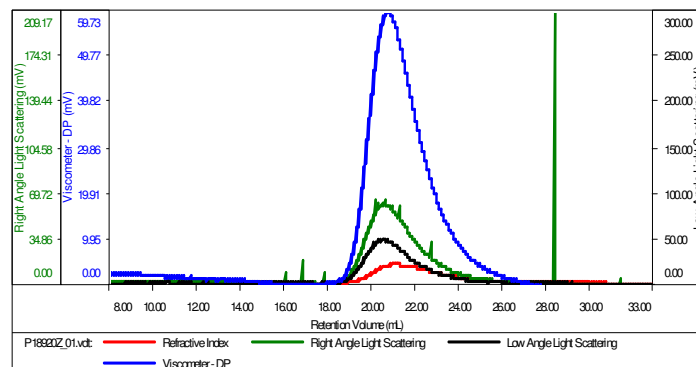
Solubility:

Poly(neopentyl methacrylate) is soluble in THF, CHCl_3 , toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

SEC elugram:

Sample ID: P18920Z-NPMA

Concentration (mg/mL)	0.4933
Sample dn/dc (mL/g)	0.0850
Method File	PS80K-NOV27-2014-0000.vom
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P18920Z_01.vcl	425,175	653,400	812,445	1.537	8.4682