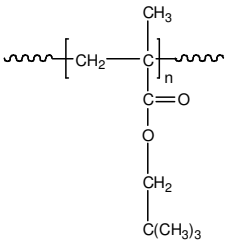
Sample Name: **Poly(neopentyl methacrylate)**

Sample #: **P18930-NPMA**

Structure:

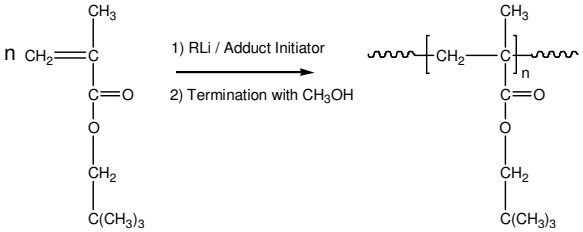


Composition:

Mn x 10^3	Mw/Mn
13.5	2.2

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).

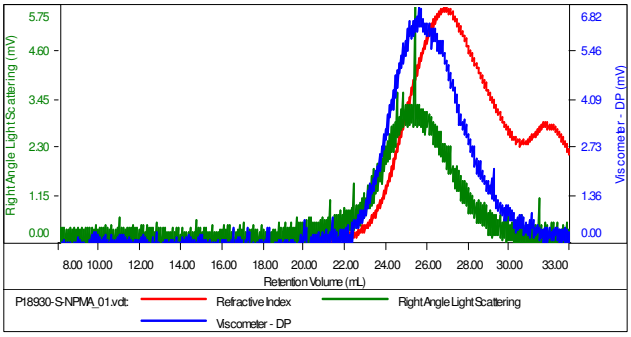
Solubility:

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

SEC elugram:

Sample ID: P18930

Concentration (mg/mL)	0.5071
Sample dn/dc (mL/g)	0.0850
Method File	PS80K-1020-2014-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersit	Intrinsic Viscosity (dL/g)
P18930-S-NPMA_01.vdt	13,497	29,892	24,928	2.215	1.1938