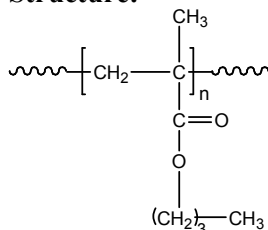


Sample Name: Isotactic rich Poly (n-butyl methacrylate)

Sample #: P40480-nBuMA

Structure:



Composition:

Mn x 10 ³	PDI
66.0	1.6
T _g (°C)	-20 °C
Microstructure	Iso > 94%

Synthesis Procedure:

Poly(n-butyl methacrylate) is obtained by living anionic polymerization of n-butyl methacrylate.

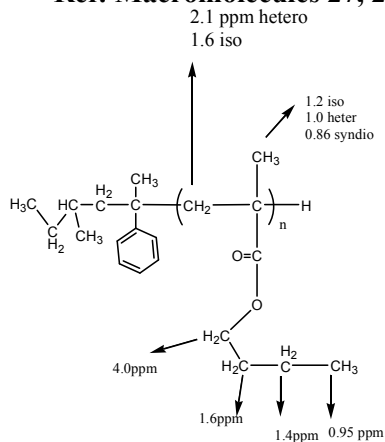
Characterization:

The molecular weight and polydispersity index (PDI) of Poly(n-butyl methacrylate) are obtained by size exclusion chromatography. using PMMA as reference material

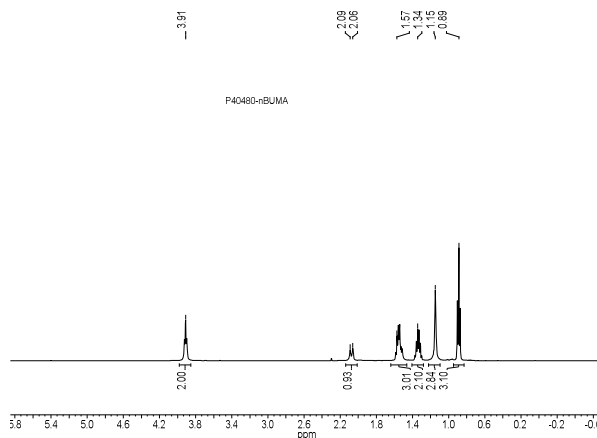
Solubility:

Poly(n-butyl methacrylate) is soluble in THF, CHCl₃, toluene and dioxane. The polymer precipitates from cold methanol and ethanol.

Ref: Macromolecules 27, 22 6305 1994



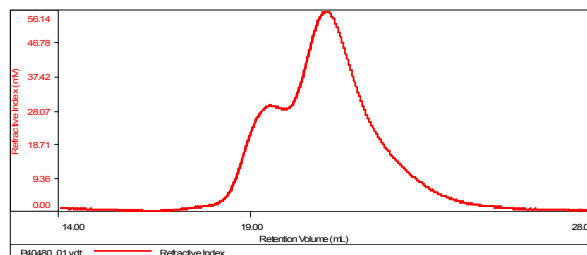
¹H NMR spectrum of the Sample:



SEC elugram of the Sample:

P40480-nBuMA

Concentration (mg/mL)	2.9820
Sample dn/dc (mL/g)	0.0940
Method File	PS80K-Fet2017-0000.vom
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40480_01.vdt	65,992	105,515	1.599	0.3928	66,394

DSC thermogram for the polymer:

