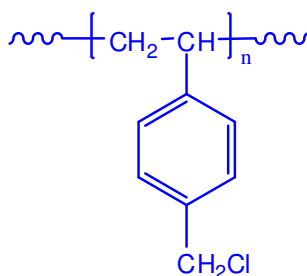


Sample Name: Poly(4-vinyl benzyl chloride)

Sample #: P18404E-VBC

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
18.0	1.9

**Synthesis Procedure:**

Poly(vinyl benzyl chloride) is obtained by controlled radical polymerization of 4-vinyl benzyl chloride (over 90%).

**Characterization:**

The molecular weight and polydispersity index (PDI) of Poly(vinyl benzyl chloride) are obtained by size exclusion chromatography.

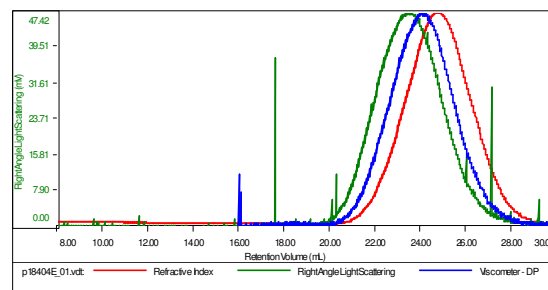
**Solubility:**

Polymer is soluble in DMF, THF, toluene and  $CHCl_3$ . It precipitates from methanol, ethanol, water and hexane.

**SEC of Homopolymer:**

**Sample ID:** P18404E-VBC

Concentration (mg/mL)	1.3831
Sample conc (mL/g)	0.1850
Method File	PS80K-July11-2014-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mh	Mw	Mp	Mw/Mh	IV
p18404E_01.vdt	18,013	34,925	23,250	1.939	0.8787

