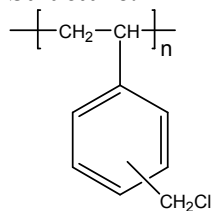


Sample Name: Poly (vinyl benzyl chloride)
Para isomer > 90%

Sample #: P16170B-VBC

Structure:



Composition:

$M_n \times 10^3$	PDI
26.0	1.66

Synthesis Procedure:

Poly (vinyl benzyl chloride) is obtained by Controlled radical process using TEMPO.

Characterization:

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

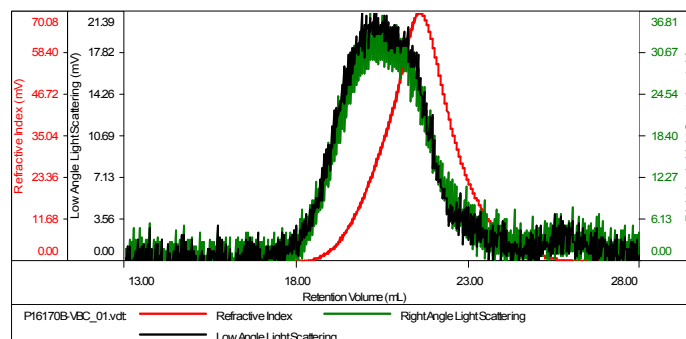
Solubility:

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

SEC of homopolymer:

P16170B-VBC

Concentration (mg/mL)	1.4694
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-Feb2017-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	M _n (Da)	M _w (Da)	M _w /M _n	IV (dL/g)	M _p (Da)
P16170B-VBC_01.vdt	26,272	43,753	1.665	0.0896	28,021