

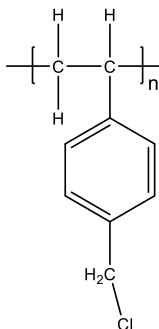
Product Profile

Identification

Product Name: Poly(4-vinyl benzyl chloride)

Product Lot Number: P45041X-VBC

Product Chemical Architecture:



Composition: 90% para isomer monomer.

Mn x 10 ³	Mw/Mn (PDI)	CAS# of monomer
12.0	1.2	1592-20-7

Method of Synthesis: one of the following routes.

By TEMPO-AIBN	✓
ATRP	
RAFT	
Ionic process	

Solubility in different solvents

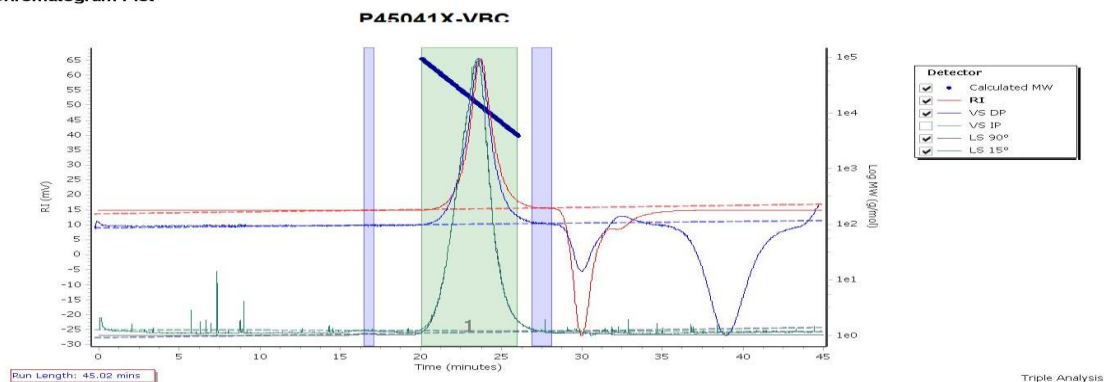
THF	✓		
CHCl ₃	✓	DMF	✓
Toluene-Hot	✓		

Purification of Polymer to remove unreacted monomer: By solvent non solvent precipitation.

Validation of Architecture:

A. Gel Permeation Chromatography (GPC), SEC- Profile

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	13577	12113	14750	18133	22584	17068	1.218