

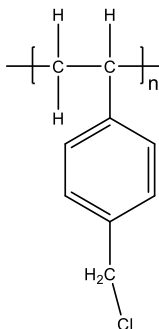
# Product Profile

## Identification

**Product Name:** Poly(4-vinyl benzyl chloride)

**Product Lot Number:** P45041A-VBC

**Product Chemical Architecture:**



**Composition:** 90% para isomer monomer.

Mn x 10 <sup>3</sup>	Mw/Mn (PDI)	CAS# of monomer
12.0	1.4	1592-20-7

**Method of Synthesis:** one of the following route;

By TEMPO-AIBN	✓
ATRP	
RAFT	
Ionic process	

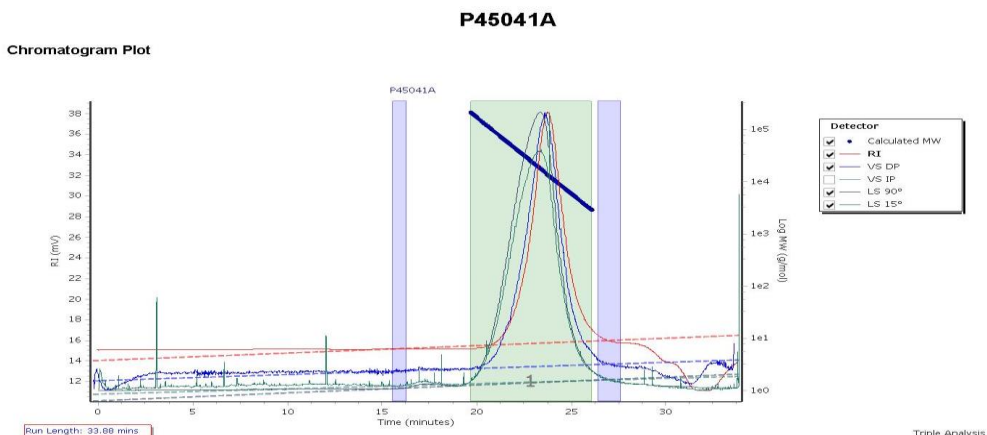
**Solubility in different solvents**

THF	✓		
CHCl <sub>3</sub>	✓	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



**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	13928	11789	16847	24497	35113	22165	1.429