

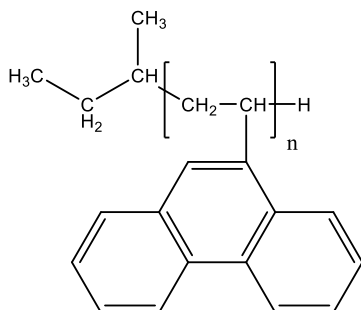
Product Profile

Identification

Product Name: Poly(9-vinyl phenanthracene)

Product Lot Number: P44580E-9VPhe

Product Chemical Architecture:



Composition:

Mn x 10 ³	Mw/Mn (PDI)
9.5	1.10

Method of Synthesis:

The polymer was synthesized by anionic polymerization process.

Solubility in different solvents

THF	✓		
CHCl ₃	✓	CHCl ₃	✓
Toluene-Hot	✓		

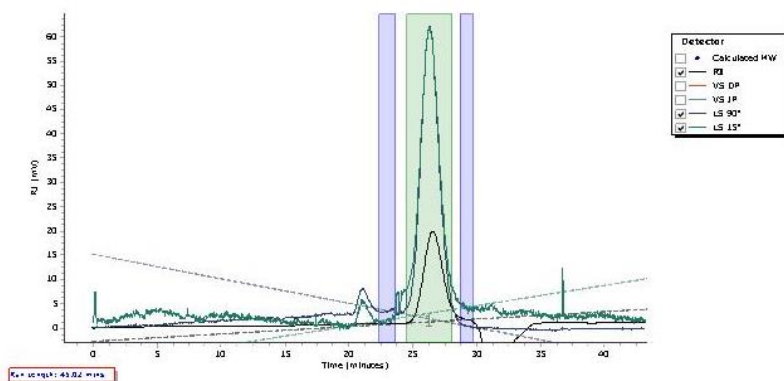
Purification of Polymer: Precipitation in hot methanol

Validation of Architecture:

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

Chromatogram Plot

P44580E-9VPheAn



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	10148	9424	10442	11550	12714	11253	1.108

B. NMR (HNMR) of monomer:

