

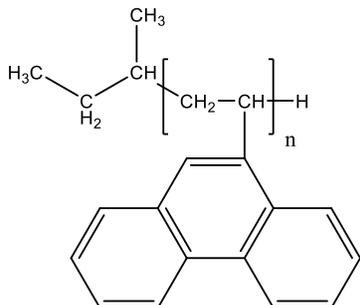
# Product Profile

## Identification

**Product Name:** Poly(9-vinyl phenanthracene)

**Product Lot Number:** P44580-9VPhe

**Product Chemical Architecture:**



**Composition:**

$\text{Mn} \times 10^3$	$\text{Mw/Mn (PDI)}$
111.0	1.3

## Method of Synthesis:

The polymer was synthesized by anionic polymerization process.

**Solubility in different solvents**

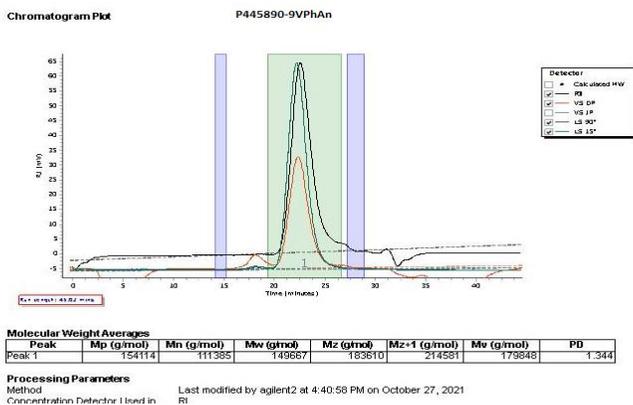
THF	√		
$\text{CHCl}_3$	√	$\text{CHCl}_3$	√
Toluene-Hot	√		

## Purification of Polymer:

Precipitation in hot methanol

## Validation of Architecture:

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



**B. NMR (HNMR) of monomer:**



9-Vinylanthracene Lot# P41577

