

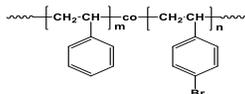
Product Profile

Identification

Product Name: Poly(styrene-co-4-bromostyrene), random

Product Lot Number: P2149CR-S4BrSran

Product Chemical Architecture:



Composition:

4 BrS	48 mole%
Mn (g/mole)	50,000
MW (g/mole)	51,000
MW/Mn	1.01
dn/dc (mL/g) in THF at 30 °C	0.184

Method of Synthesis

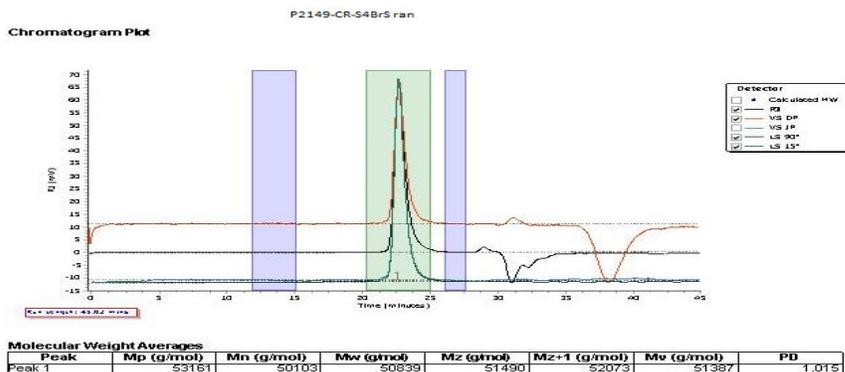
The polymer is prepared bromination of Polystyrene obtained by anionic polymerization process. Bromination carried out by Br₂ in the presence of Thallium (III)triacetate.

Solubility in different solvents

THF	√	DMF	√
Alcohol	X	CHCl ₃	√
Toluene	√	DMSO	X

Validation of Architecture

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



B. ¹H NMR of polymer

