

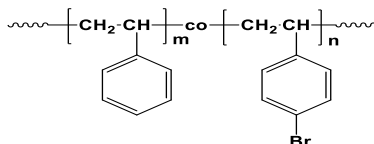
Product Profile

Identification

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

Product Lot Number: P19325BR-S4BrSran

Product Chemical Architecture:



Composition:

4 BrS	40 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

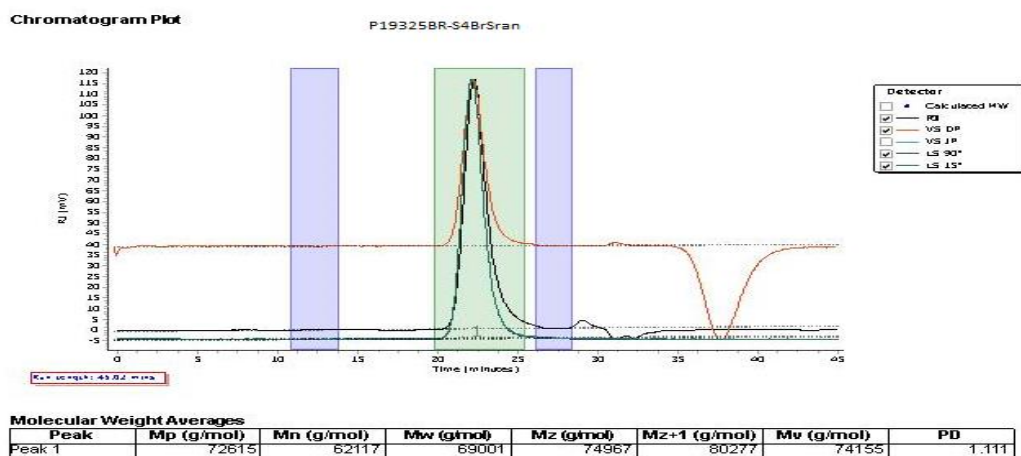
The polymer is prepared from a mixture of 4 BrS and Styrene monomer using RAFT process.

Solubility in different solvents

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

Validation of Architecture

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



B. HNMR spectrum of polymer:

