

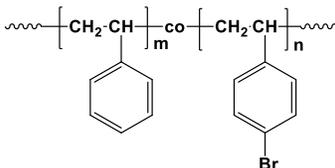
# Product Profile

## Identification

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

**Product Lot Number:** P44476A-S4BrSran

**Product Chemical Architecture:**



**Composition:**

<b>4 BrS</b>	<b>47 mole%</b>
<b>Mn (g/mole)</b>	<b>31,000</b>
<b>MW (g/mole)</b>	<b>37,000</b>
<b>MW/Mn</b>	<b>1.2</b>
<b>dn/dc (mL/g) in THF at 30 °C</b>	<b>0.184</b>

## Method of Synthesis

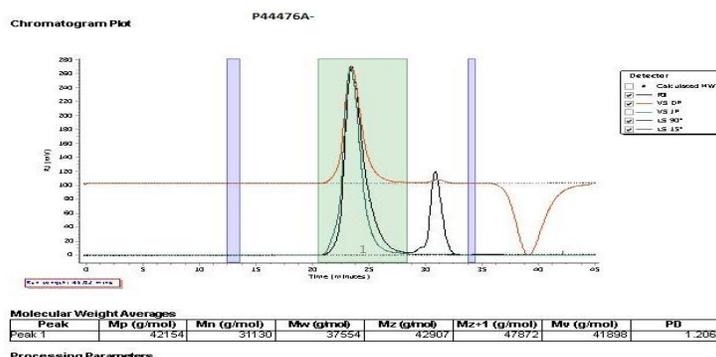
The polymer is prepared from a mixture of 4BrS and Styrene monomer using RAFT process.

**Solubility in different solvents**

THF	√	DMF	√
Alcohol	X	CHCl3	√
Toluene	√	DMSO	X

## Validation of Architecture

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



**B. HNMR spectrum of polymer:**

