

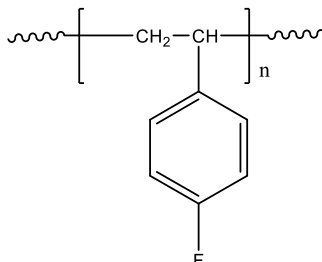
# Product Profile

## Identification

**Product Name:** Poly(4-fluorostyrene)

**Product Lot Number:** P44601-4FS

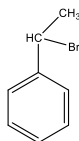
**Product Chemical Architecture:**



## Composition:

Mn x 10 <sup>3</sup>	Mw/Mn (PDI)	Microstructure of Polymer by <sup>1</sup> H NMR
3.0	1.06	Atactic

**Method of Synthesis** Poly 4-fluorostyrene is obtained by ATRP polymerization process using 2,2 Bipyridine as an adduct and (1-bromoethyl)benzene catalyst.



## Solubility in different solvents

THF	✓		
CHCl <sub>3</sub>	✓	CHCl <sub>3</sub>	✓
Toluene	✓		

## Validation of Architecture:

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

