



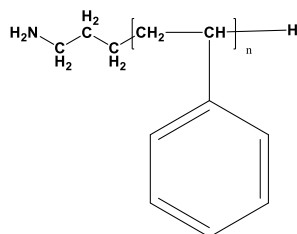
## Product Profile

### Identification

**Product Name:** Amino Terminated Polystyrene

**Product Lot Number:** P45006N-SNH2

**Chemical Architecture:**

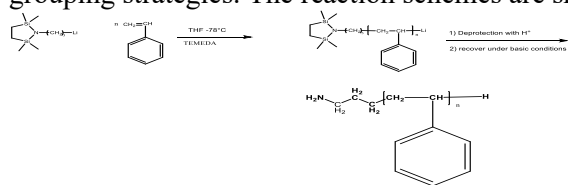


**Composition:**

Mn (g/mole)	637,000
Mw (g/mole)	655,000
Mw/Mn	1.03
Tg	102 °C

### Method of Synthesis

Amino terminated polystyrene was synthesized by anionic living polymerization with different end-grouping strategies. The reaction schemes are shown below:



**Ninhydrin test: Pass- Blue color**



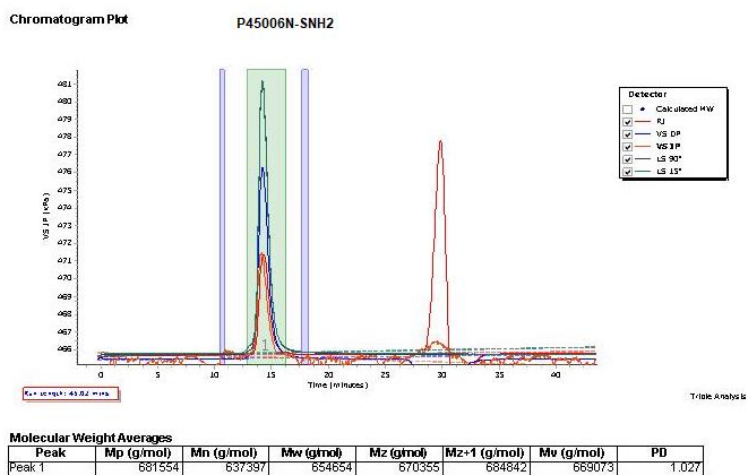
### Solubility in different solvents:

THF	√	Methanol	X
CHCl <sub>3</sub>	√	Hexane	X
Toluene	√		

## Validation of Architecture

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

The product was characterized by size exclusion chromatography (SEC).



### B. <sup>1</sup>H NMR

