

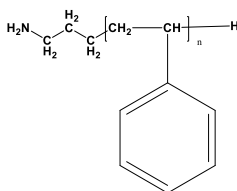
# Product Profile

## Identification

**Product Name:** Amino Terminated Polystyrene

**Product Lot Number:** P44602-SNH2

**Product Chemical Architecture:**

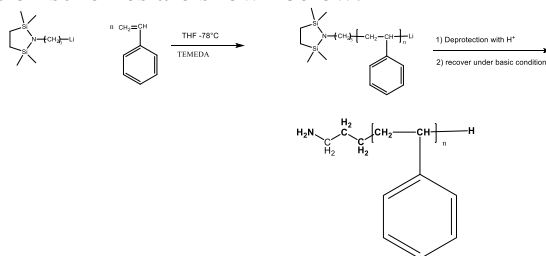


## Composition:

Mn x 10 <sup>3</sup>	Mw/Mn (PDI)	Microstructure of Polymer by <sup>1</sup> H NMR
785.0	1.2	Atactic
NH <sub>2</sub> functionality > 99%		

## Method of Synthesis: Description of Synthesis

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



## Solubility in different solvents

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

## Validation of Architecture:

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

