

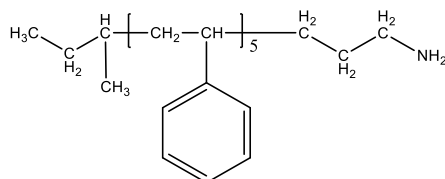
## Product Profile

### Identification

**Product Name:** Amino Terminated Polystyrene

**Product Lot Number:** P44249R-SNH2

**Chemical Architecture:**

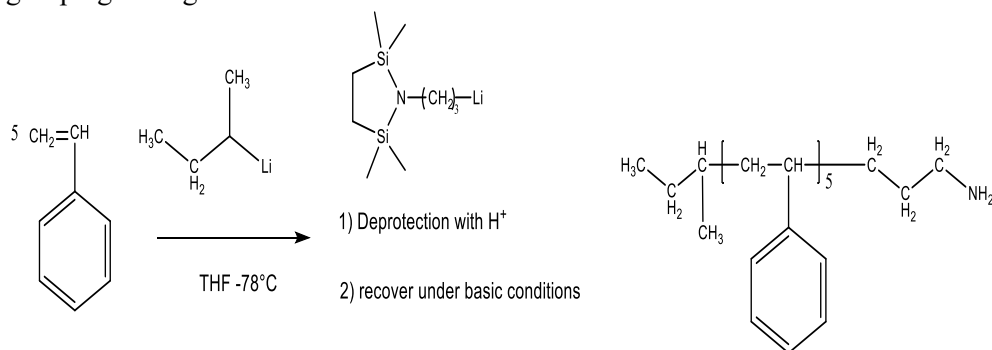


**Composition:**

<b>Mn (g/mole)</b>	<b>41,000</b>
<b>Mw (g/mole)</b>	<b>57,000</b>
<b>Mw/Mn</b>	<b>1.40</b>
<b>Tg</b>	<b>102 °C</b>

### Method of Synthesis

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	√	Methanol	X
CHCl3	√	Hexane	X
Toluene	√		

## Validation of Architecture

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

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

