

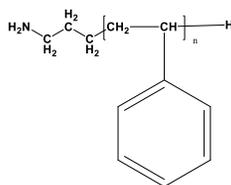
# Product Profile

## Identification

**Product Name:** Amino Terminated Polystyrene

**Product Lot Number:** P44598B-SNH2

**Product Chemical Architecture:**

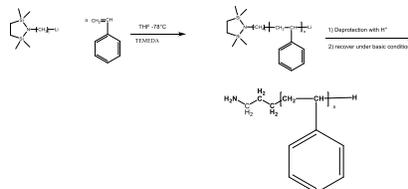


## Composition:

Mn x 10 <sup>3</sup>	Mw/Mn (PDI)	Microstructure of Polymer by <sup>1</sup> H NMR
68.0	1.4	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:

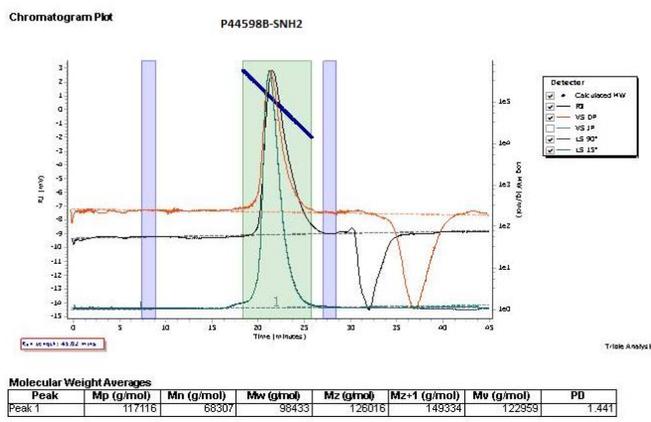


## solubility in different solvents

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

## Validation of Architecture:

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



Ref: for details

Synthesis of Asymmetric Telechelic Polymers Bearing a Primary Amino End Group SUNIL K. VARSHNEY,<sup>1</sup> ZHENGJI SONG,<sup>1</sup> JIAN XIN ZHANG,<sup>1</sup> ROBERT JEROME

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