

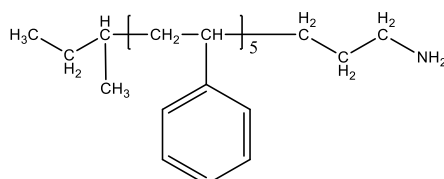
Product Profile

Identification

Product Name: Amino Terminated Polystyrene

Product Lot Number: P44252-SNH2

Chemical Architecture:

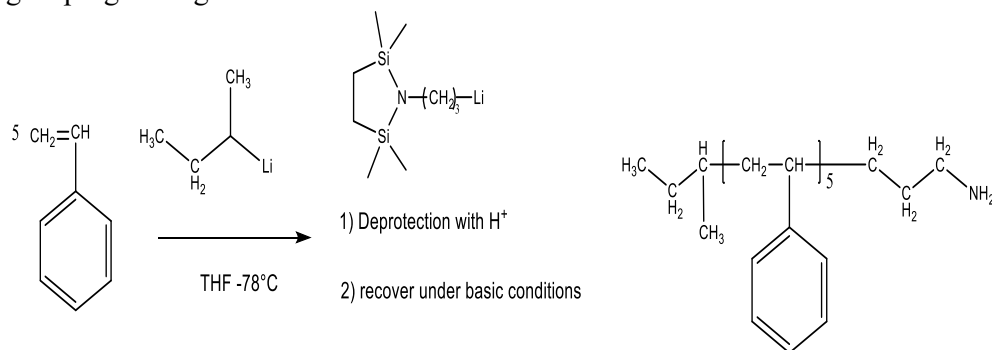


Composition:

Mn (g/mole)	92,000
Mw (g/mole)	126,000
Mw/Mn	1.30
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:



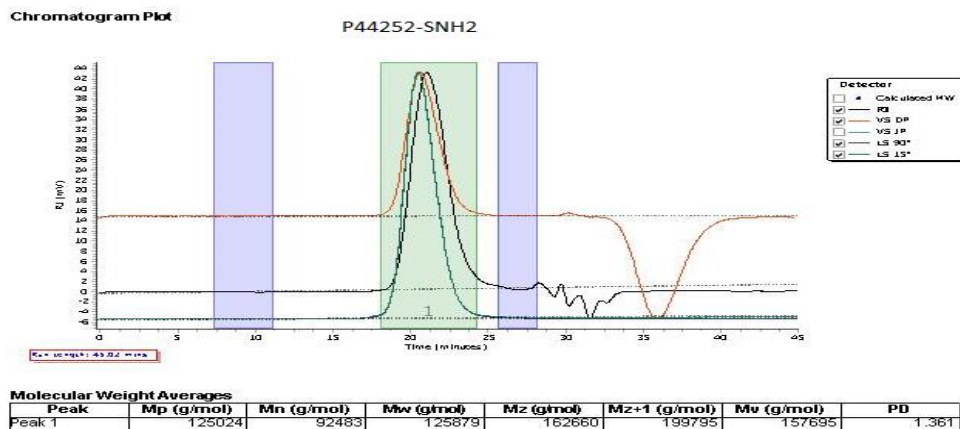
Solubility in different solvents:

THF	✓	Methanol	X
CHCl ₃	✓	Hexane	X
Toluene	✓		

Validation of Architecture

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

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



B. ¹H NMR

