

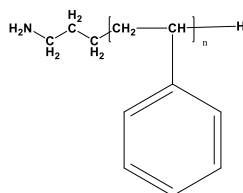
Product Profile

Identification

Product Name: Amino Terminated Polystyrene

Product Lot Number: P44598A-SNH2

Product Chemical Architecture:

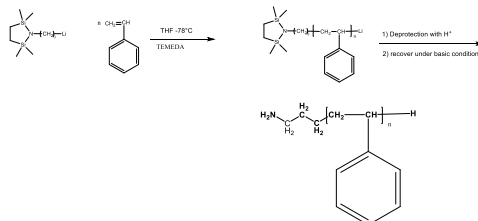


Composition:

Mn x 10 ³	Mw/Mn (PDI)	Microstructure of Polymer by ¹ H NMR
135.0	1.4	Atactic
NH2 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:

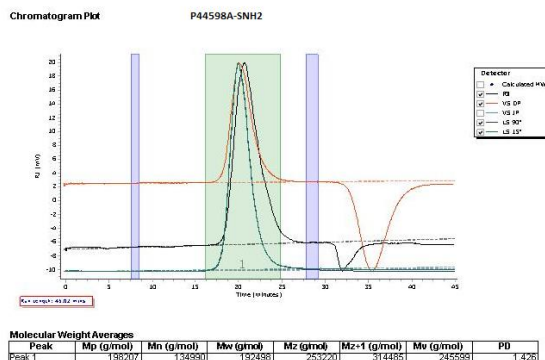


solubility in different solvents

THF	✓		
CHCl ₃	✓	CHCl ₃	✓
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,¹ ZHENGJI SONG,¹ JIAN XIN ZHANG,¹ ROBERT JEROME

Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 44, 3400–3405 (2006)