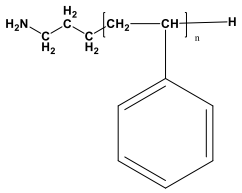
Product Profile

Identification

Product Name: Amino Terminated Polystyrene
Product Lot Number: P44602A-SNH2
Product Chemical Architecture:

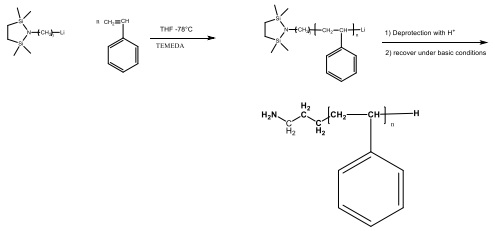


Composition:

Mn x 10^3	Mw/Mn (PDI)	Microstructure of Polymer by ^{H}NMR
353.0	1.35	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:

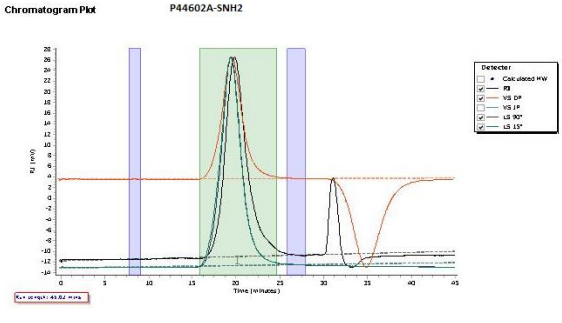


solubility in different solvents

THF	√		
CHCl3	√	CHCl3	√
Toluene	√		

Validation of Architecture:

A. <u>Gel Permeation Chromatography (GPC), SEC- Profile</u>



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)