

Product Profile

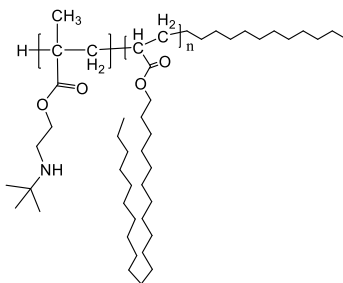
Identification

Product Name: Poly(docosylacrylate)-b-poly(tert-Butylaminoethyl methacrylate)

Synonym: Behenyl acrylate-2-(tert-butylamino)ethylmethacrylate

Product Lot Number: P44912A-BHAtBuAEMA

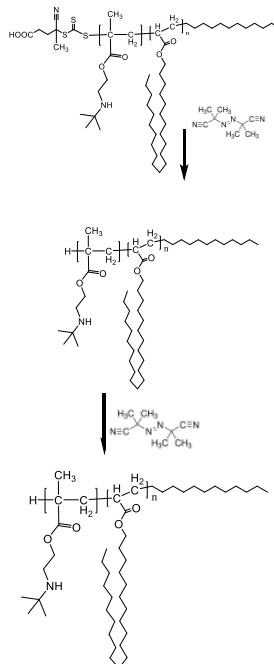
Product Chemical Architecture:



Composition:

Mn x 10 ³ BHA-tBuAEMA	Mw/Mn (PDI)
3.0-b-4.0	1.12
Dp of each block: A₈-B₂₁ from ¹ H NMR	

Method of Synthesis: By RAFT Synthesis



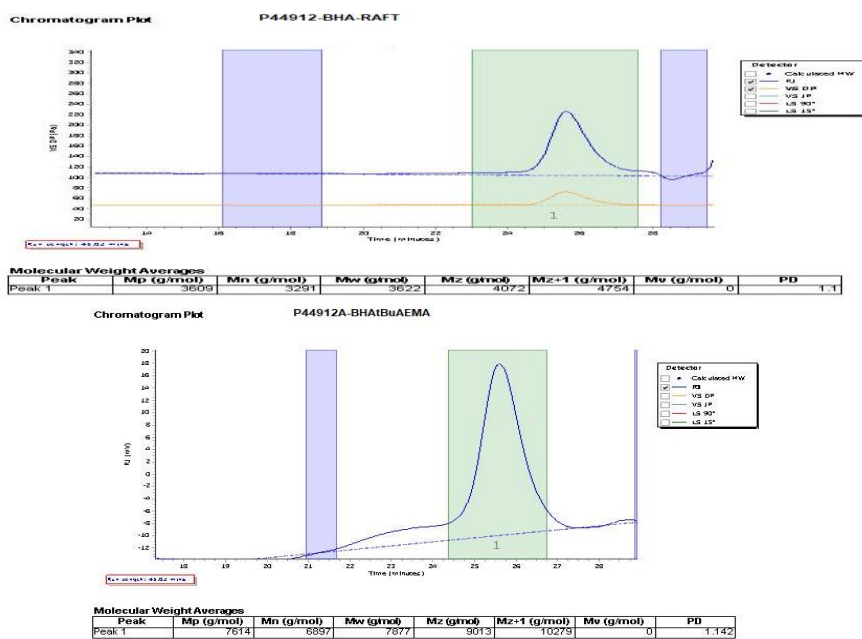
Solubility in different solvents

THF	✓		
CHCl ₃	✓	DMF	✓
Toluene-Hot	✓		

Purification of Polymer: By Soxhlet extraction

Validation of Architecture:

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



B. NMR (HNMR) of polymer of BHA-RAFT

