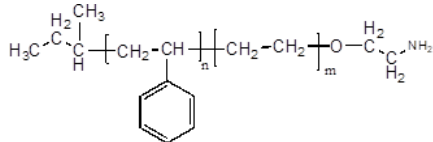


Sample Name:

Poly(styrene)-b-poly(ethylene oxide), ω -azide-terminated

Sample #: **P45556-SEO-N₃**

Structure:



Composition:

Mn x 10 ³	PDI
S-b-EO	
1.6-b-5.0	1.10

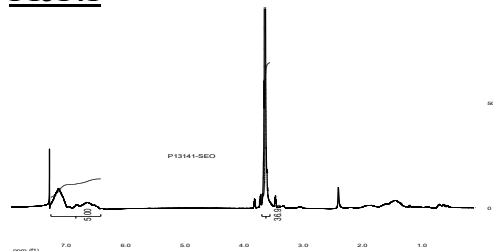
Synthesis Procedure:

The polymer is prepared by living anionic polymerization process and the modification of terminal OH to NH₂.

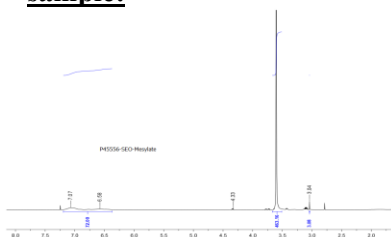
Characterization:

The product was characterized by size exclusion chromatography (SEC), and ¹H NMR.

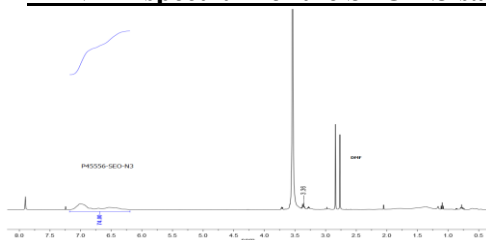
¹H NMR spectrum of the SEO sample: lot# P13141



¹H NMR spectrum of the of SEO-Mesylate sample:

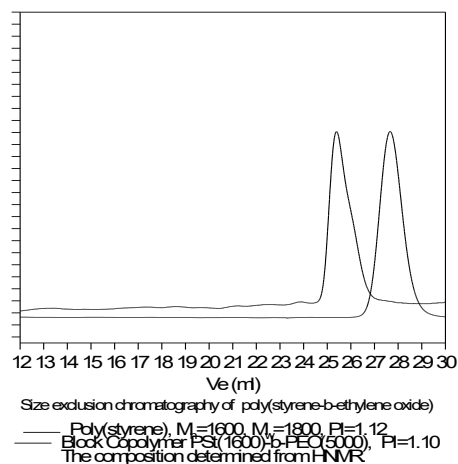


¹H NMR spectrum of the SEO-N₃ sample:

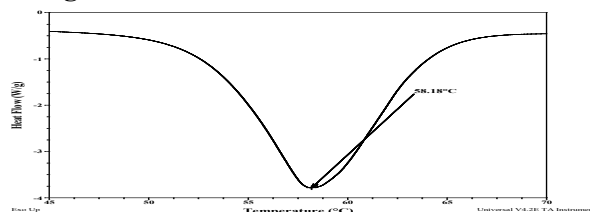


SEC profile of the block copolymer

P45556-SEO-N₃



Thermal analysis of the SEO sample used:
Melting curve for PEO block:



Thermal analysis results at a glance:

For PS block T _g : Not distinct		
For PEO block		
T _g : Not distinct	T _m : 58 °C	T _c : 19 °C

FTIR:

