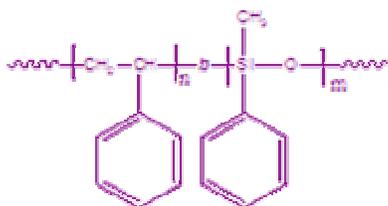


Sample Name:

Poly(styrene-b-methylphenyl siloxane)

Sample #: P8929-SMPS

Structure:



Composition:

Mn x 10 ³ S-b-MPS	Mw/Mn (PDI)
0.5-7.0	1.3

Synthesis Procedure:

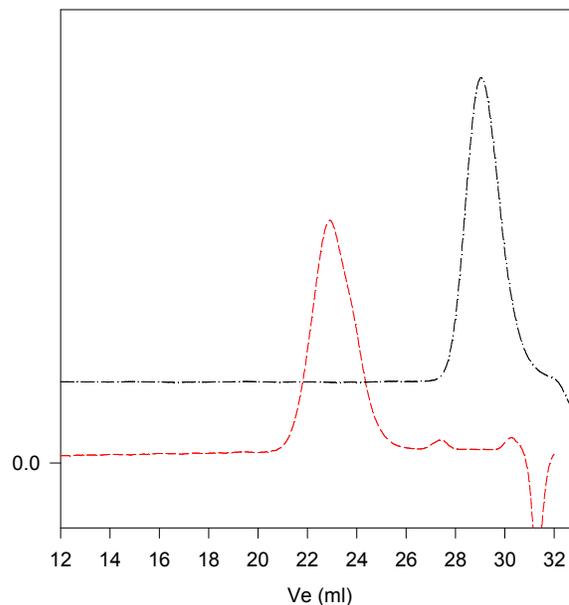
Poly(styrene-b-methylphenyl siloxane) is prepared by living anionic polymerization with sequence addition of styrene followed by methylphenyl cyclotrisiloxane.

Characterization:

An aliquot of the polystyrene block was terminated before addition of methylphenyl cyclotrisiloxane and analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI).

SEC profile of the block copolymer

P8929-SMPS



Size Exclusion Chromatogram of Poly(styrene-b-methylphenylsiloxane)

----- Polystyrene: M_n=500, M_w=600, M_w/M_n=1.2

----- PS-b-PMPS: M_n PS(500)-PMPS(7000), M_w/M_n=1.3