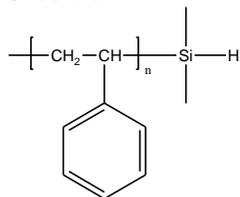


Sample Name:
Dimethyl Silane Terminated Polystyrene

Sample #: P4219-SSiH

Structure:

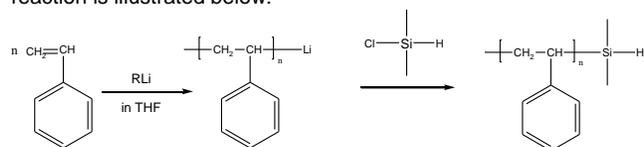


Composition:

Mn x 10 ³	PDI
21.5	1.04

Synthesis Procedure:

Dimethyl Chlorosilane Terminated Polystyrene was prepared by anionic living polymerization of styrene in THF and termination with a large excess of dimethyl dichlorosilane. The scheme of the reaction is illustrated below:

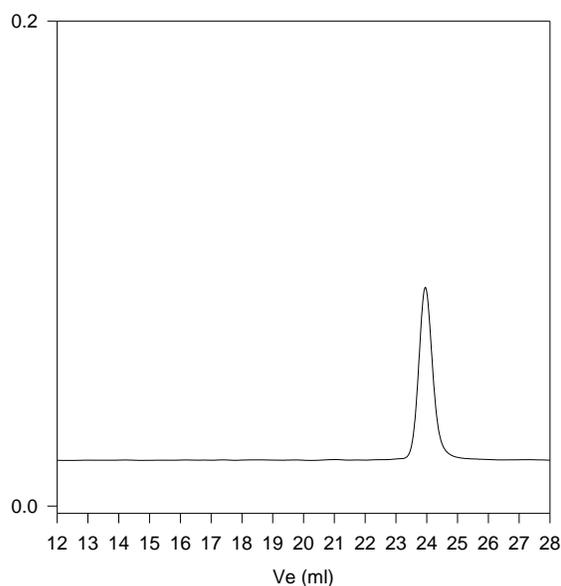


Characterization:

The molecular weight and polydispersity index of this polymer were determined before functionalization with silane by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

SEC of Sample:

P4219-SSiH



Polystyrene silane terminated, M_n=21500, M_w=22400 PI=1.04

