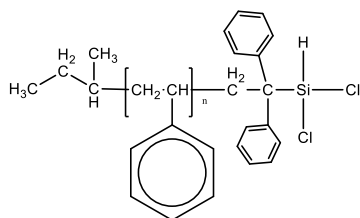


Sample Name:
Poly(styrene), ω -dichlorosilane-terminated

Sample #: P41536-SSiHCl2

Structure:

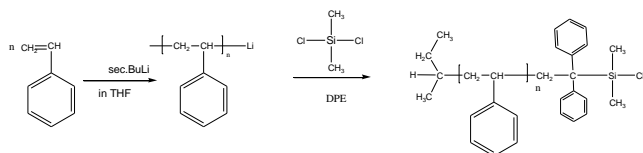


Composition:

Mn x 10 ³	PDI	Functionality SiCl
17.0	1.17	>98%

Synthesis Procedure:

The polymer was synthesized by anionic process.
The scheme of the reaction is illustrated below.



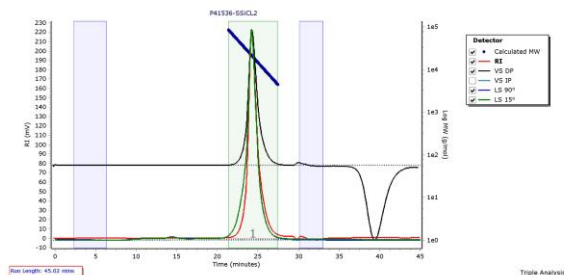
Characterization: The polymer was characterized by SEC and FTIR.

SEC elugram of the polymer:

Agilent GPC/SEC Software

P41536-SSiCl2

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	21355	17222	20224	23457	27768	21641	1.174

FTIR spectrum of the product:

FTIR spectrum of the polymer clearly show the presence of SiCl at 1217 cm⁻¹ and SiCH3 at 1254 cm⁻¹.

