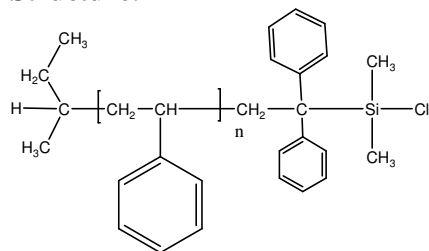


Sample Name:
Dimethyl Chlorosilane Terminated Polystyrene

Sample #: **P40019-SSiCl**

Structure:

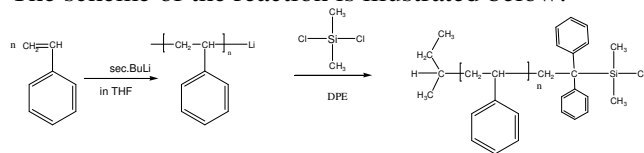


Composition:

Mn x 10 ³	PDI	Functionality SiCl
3.5	1.04	>98%

Synthesis Procedure:

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



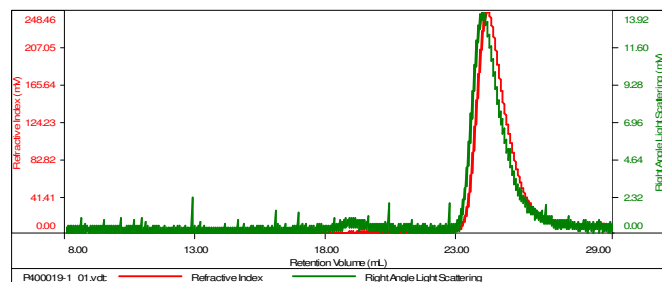
Characterization:

The polymer was characterized by SEC and ¹H NMR.

SEC elugram of the polymer:

Sample ID: P40019-SSiCl

Concentration (mg/mL)	5.8218
Sample ch/dt (mL/g)	0.1850
Method File	PS80K-30JUNE2016-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P400019-1_01.vdt	3,484	3,626	1.041	0.0385	3,494

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.

