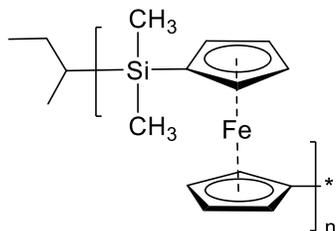


**Sample Name:** Poly(ferrocenyl dimethylsilane)

**Sample #:** P43639-FES

**Structure:**



**Composition:**

$M_n \times 10^3$ (g/mol)	$M_w/M_n$
6.0	1.37

**Synthesis Procedure:**

Poly(ferrocenyl dimethylsilane) was synthesized by anionic polymerization of 1,1-ferrocenyldimethylsilane monomer using sec-butyl lithium initiator.

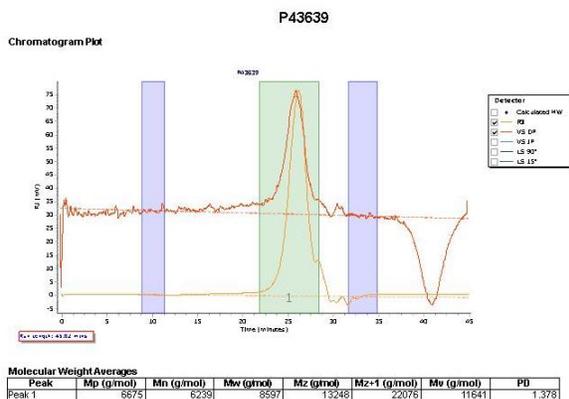
**Characterization:**

The molecular weight and polydispersity were determined by size exclusion chromatography (SEC). Glass transition temperature of the product was measured by DSC under nitrogen atmosphere shortly after creating thermal history.

**Solubility:**

Polymer is soluble in THF, chloroform, toluene; and it precipitates from ether and hexanes.

**SEC chromatogram:**



**DSC thermogram (2<sup>nd</sup> heating scan, 10 °C/min):**

$T_g = 28$  °C

