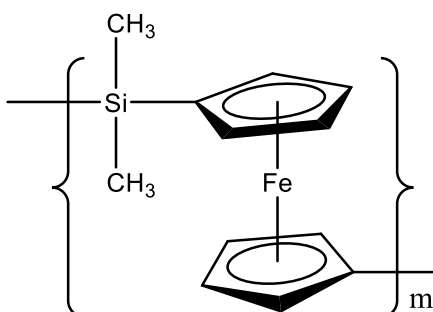


Sample Name: **Poly(ferrocenyl dimethylsilane)**

Sample #: **P43639A-FES**

### Structure:



**Composition:**

$M_n \times 10^3$ (g/mol)	$M_w/M_n$
17.0	1.6

### Synthesis Procedure:

Poly(ferrocenyl dimethylsilane) was synthesized by thermal ring opening (ROP) polymerization of 1,1-ferrocenyldimethylsilane monomer.

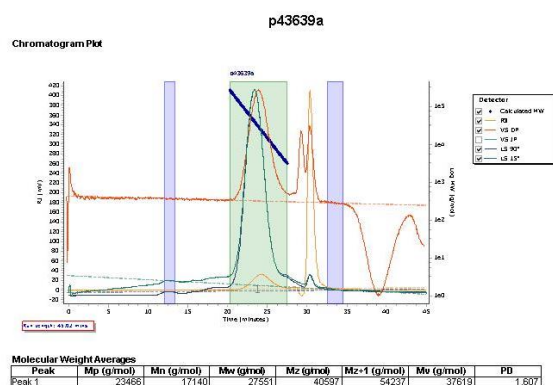
### Characterization:

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):**

$$T_g = 28\text{ }^{\circ}\text{C}$$
