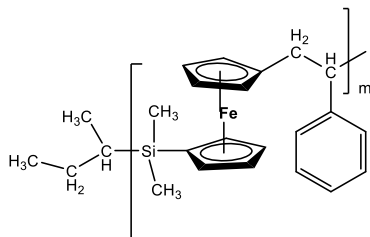


**Sample Name:** Poly(styrene-co-ferrocenyl dimethylsilane), random

**Sample #:** P43654-SFESran

**Structure:**



**Composition:**

Mn $\times 10^3$	Mw/Mn (PDI)
8.5	1.18

T <sub>g</sub> for product :23 °C
FES: 60 mol%

**Synthesis Procedure:**

Poly(styrene-Co-ferrocenyldimethylsilane) is prepared by anionic living polymerization process.

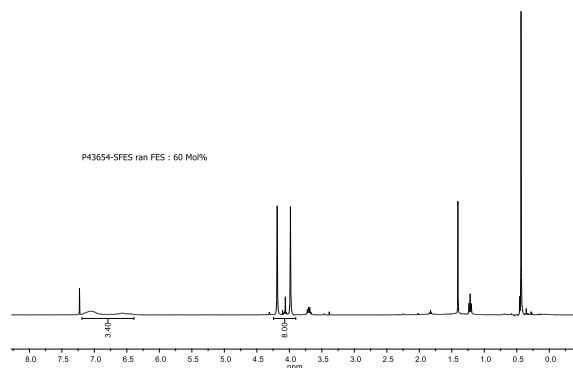
**Characterization:**

The product was characterized by size exclusion chromatography (SEC), <sup>1</sup>H NMR and DSC data analysis.

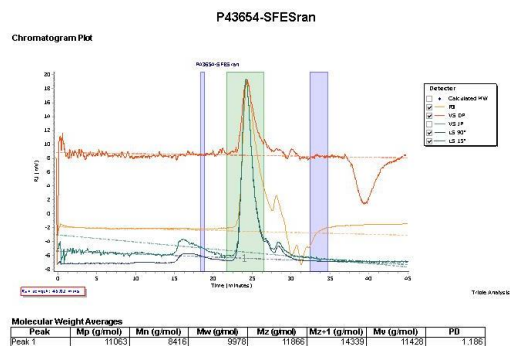
**Solubility:**

Polymer is soluble in THF, CHCl<sub>3</sub>, Toluene and precipitate out from ether and hexanes.

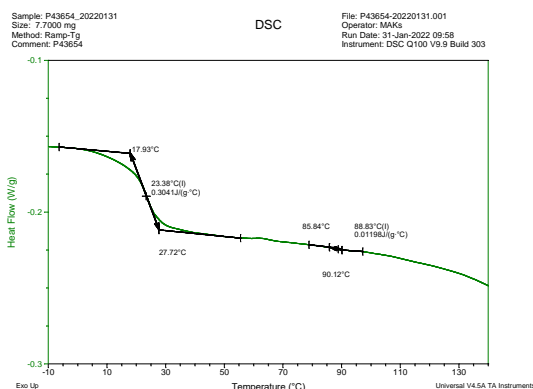
**<sup>1</sup>H NMR spectrum of the sample:**



**SEC profile of the copolymer:**



**DSC thermogram of the Sample:**



**Dependence of T<sub>g</sub> from molecular weight for Polystyrene:**

