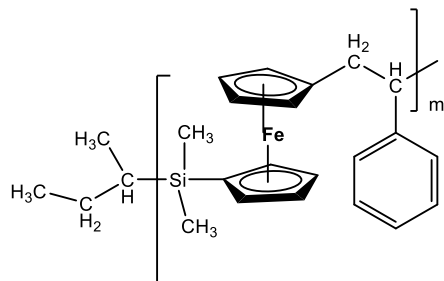


Sample Name: Poly(styrene-co-ferrocenyldimethylsilane), random

Sample #: P43645-SFESran

Structure:



Composition:

Mn $\times 10^3$	Mw/Mn (PDI)
19.0	1.10

T_g for product 72°C

Synthesis Procedure:

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

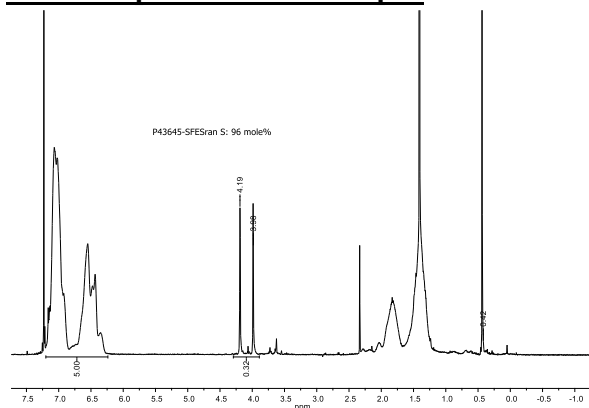
Characterization:

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

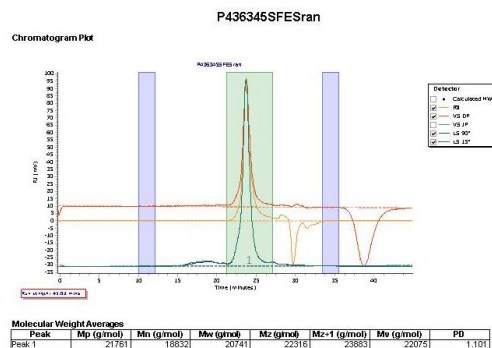
Solubility:

Polymer is soluble in THF, CHCl_3 , Toluene and precipitate out from ether and hexanes.

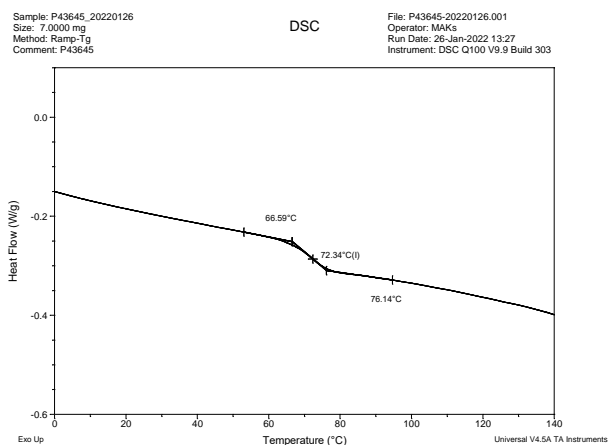
^1H NMR spectrum of the sample:



SEC profile of the copolymer:



DSC thermogram of the Sample:



Dependence of T_g from molecular weight for Polystyrene:

