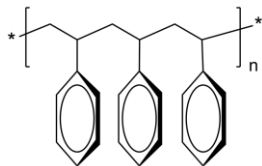


Sample Name: Polystyrene-Isotactic

Sample #: P41423C-Siso

Structure:



Composition:

Mn × 103	PDI
933	1.70

Synthesis Procedure:

The polymer is prepared by anionic polymerization process in Hexane using LiOH as additive. Fractionated with Methyl ethyl ketone to separate iso fractions.

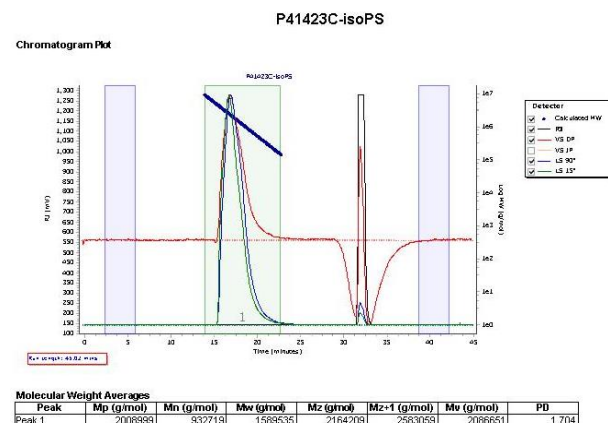
Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF.

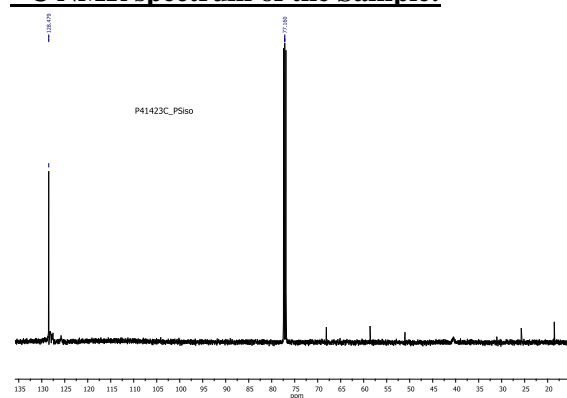
Polymer as such is not soluble in THF or in Toluene. Polymer was annealed at T_g and then quenched to -20 °C to render the solubility in THF or in Toluene.

Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (T_g) has been considered.

SEC elugram of the Homopolymer:



¹³C NMR spectrum of the Sample:



DSC thermogram of the Sample:

