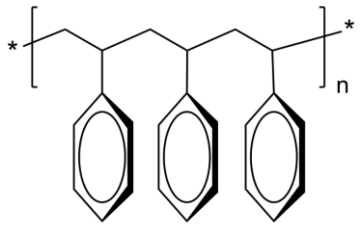
Sample Name: **Polystyrene-Isotactic**

Sample #: **P42855-Siso**

Structure:



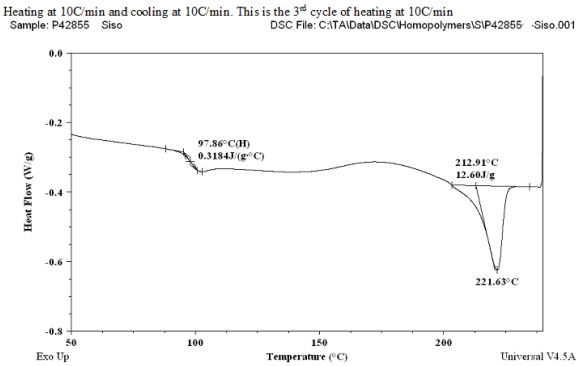
Composition:

Mn × 103	PDI
233.0	2.0

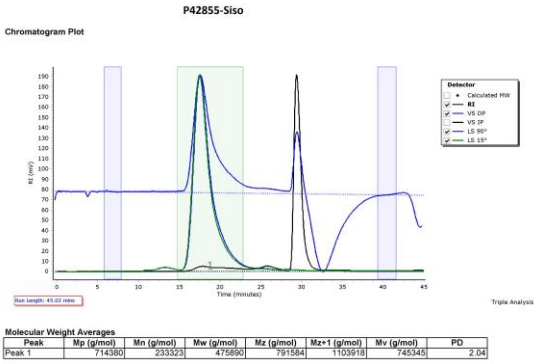
Synthesis Procedure:
The polymer is prepared by anionic polymerization process in Hexane using LiOH as additive. Fractionation with Methyl ethyl ketone to separate iso fractions.

Characterization:
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

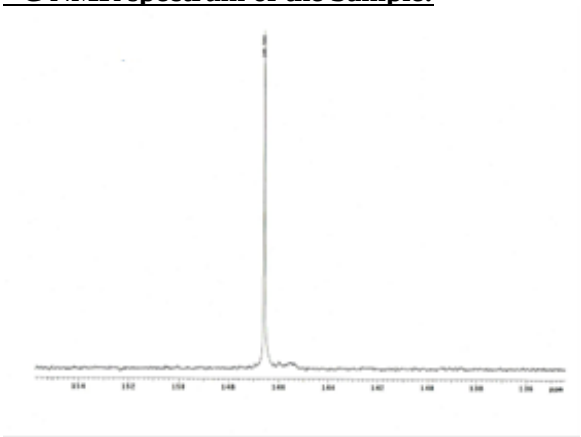
Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (Tg) has been considered.



SEC elugram of Homopolymer:



^{13}C NMR spectrum of the Sample:



DSC thermogram of the product: