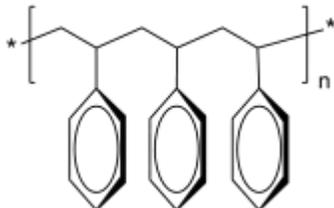


Sample Name: Polystyrene

Sample #: P2774-Siso

Structure:



Composition:

Mn x 103	PDI
58.8	4.8

Synthesis Procedure:

By anionic process in Hexane using LiHO as additive. Fractionation with Ketone to separate iso fractions.

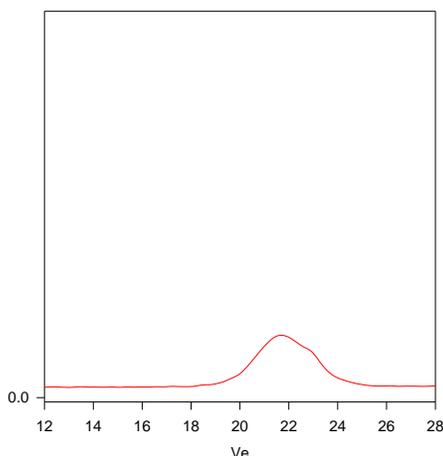
Characterization:

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 (T_g) has been considered.

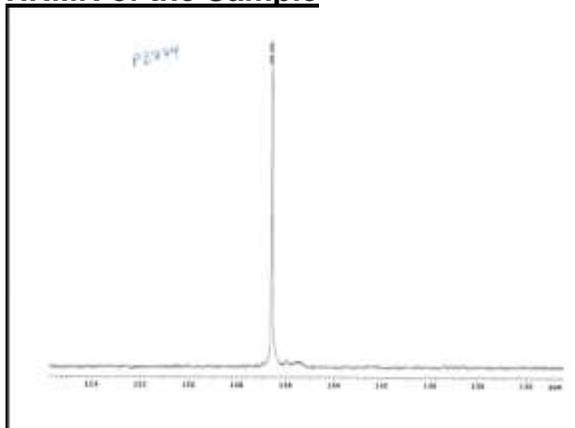
SEC of Homopolymer:

P2774-Siso



Size Exclusion Chromatography profile of isotactic polystyrene:
M_n = 58,800, M_w = 283,000 PI = 4.8

HNMR of the Sample



T_g of polystyrene as function of molecular weight

