

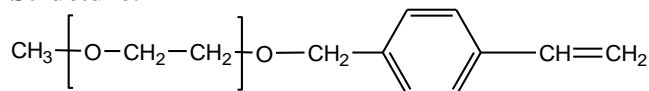
Sample Name:

Styrene Terminated Poly(ethylene glycol)

Sample #: **Styreomer-500**

Lot# P42912

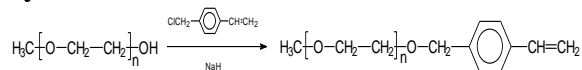
Structure:



Composition:

$\text{Mn} \times 10^3$	PDI
0.65	1.10

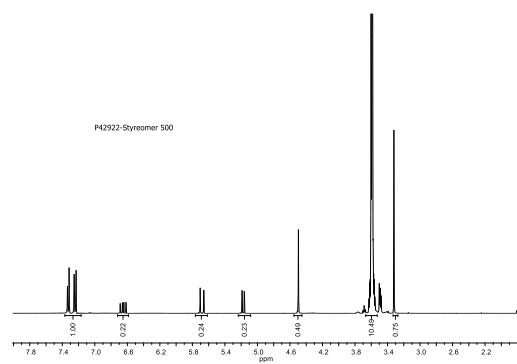
Synthesis Procedure:



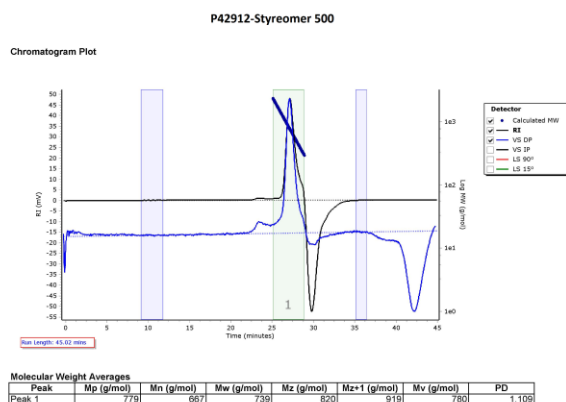
Characterization:

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

^1H -NMR spectrum of the sample:



SEC elugram of Sample:



Thermal analysis of the sample:

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature (T_g).

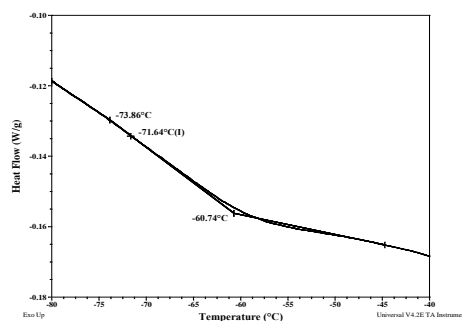
Melting and crystallization curve for the sample:

The melting temperature (T_m) was taken as the maximum of the endothermic peak where as the crystallization temperature (T_c) was considered as the minimum of the exothermic peak.

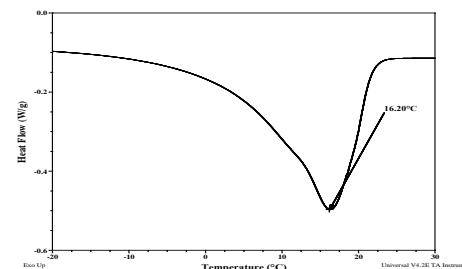
Thermal analysis results at a glance:

T_m (°C)	T_c (°C)	T_g (°C)
16	09	-72

Thermogram of EO:



Melting curve for EO:



Crystallization curve for the sample:

