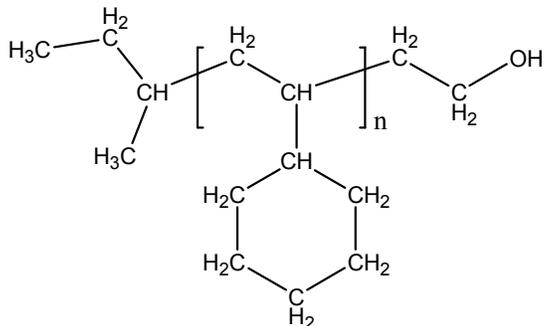


Sample Name:

ω -Hydroxy Terminated Poly Cyclohexyl ethylene

Sample #: P40405-VCHOH

Structure:



Composition:

Mn x 10 ³	PDI
5.5	1.09
T _g (°C)	92
% unsaturation on Benzene rings α -methylstyrene	<5%

Synthesis Procedure:

ω -Hydroxy Terminated Poly cyclohexyl ethylene was prepared by Hydrogenation of OH terminated Polystyrene .

Characterization:

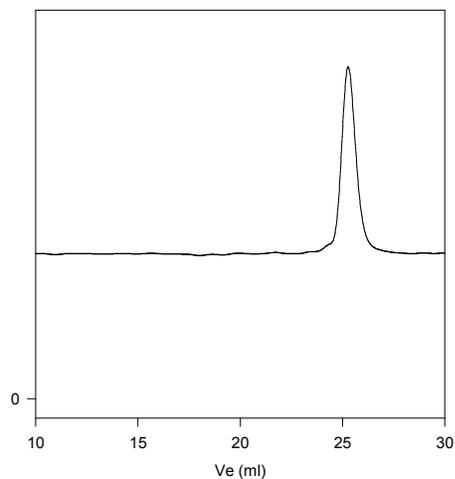
The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

Solubility:

Polymer is soluble in toluene, THF, CHCl₃ and can be precipitated in water and cold methanol.

SEC elugram of the Sample:

P40405-VCHOH



Size Exclusion chromatography of Hydroxy end Vinyl cyclohexane
M_n=5,500, M_w=6,000 PI=1.09

¹H NMR spectrum of the Polymer:

