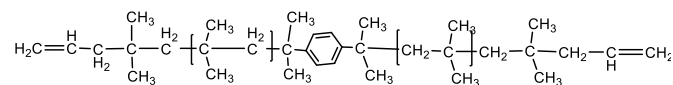


Sample Name:

α,ω -Di Allyl end terminated Polyisobutylene
Using dicumyl Chloride initiator

Sample #: P44172B-IB2Allyl

Structure:

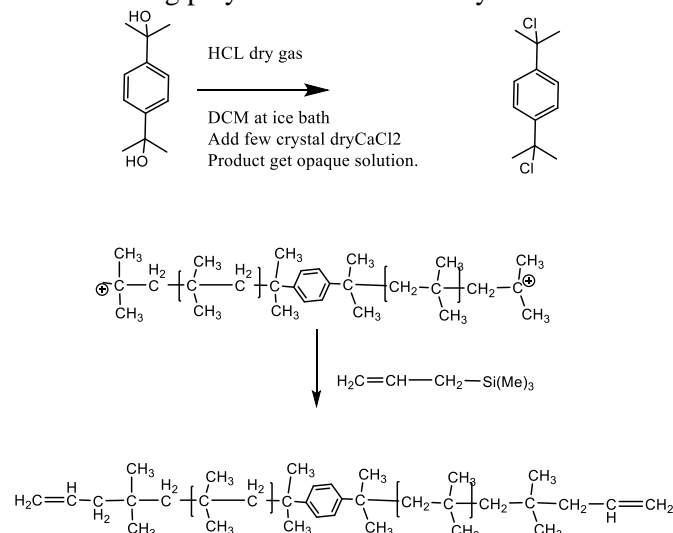


Composition:

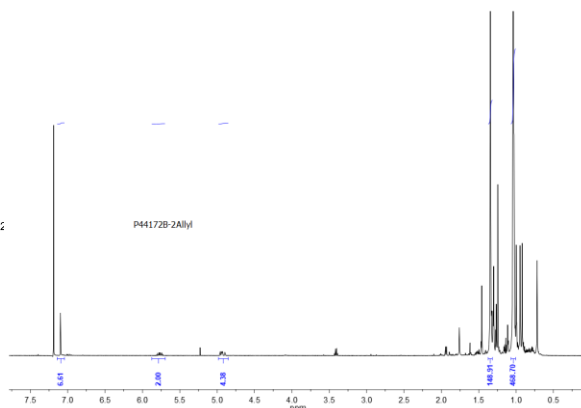
Mn x 10 ³	PDI
3.0	1.35
Allyl Functionality ~75%	

Synthesis Procedure:

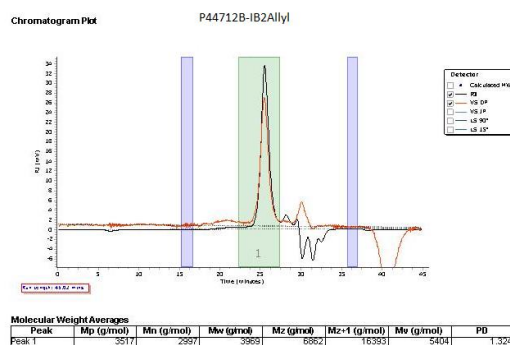
Allyl terminated polyisobutylene was prepared by cationic living polymerization of isobutylene:



HNMR spectrum of the sample:



SEC profile of the Sample:



Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Functionality: The polymer's functionality was determined by ¹H-NMR spectroscopy.

Solubility:

The polymer is soluble in THF, CHCl₃, toluene, hexane.