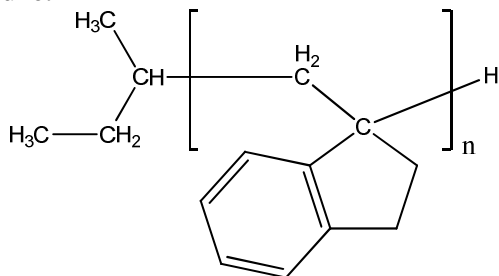


Sample Name: Poly(α -methyleneindane)

Sample #: P19631-MI

Structure:



Composition:

Mn x 10 ³	PDI
11.0	1.4

T _g	135°C
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Synthesis procedure:

Poly(α -methyleneindane) was prepared by anionic process.

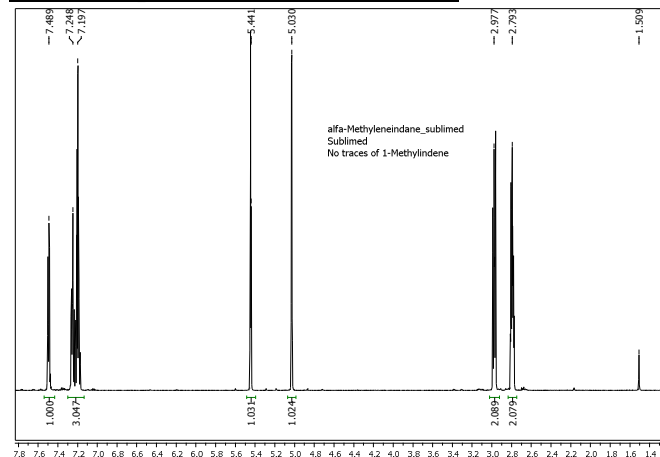
Characterization:

The polymer was characterized by ¹H NMR. Molecular weight and polydispersity index of the polymer were determined by size exclusion chromatography (SEC).

Thermal analysis:

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).

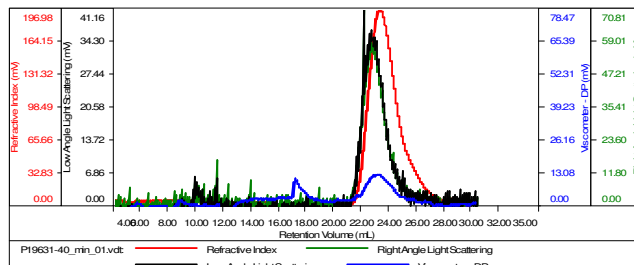
¹H NMR spectrum of the monomer:



SEC elugram of the polymer in THF:

Sample ID-P19631-40min

Concentration (mg/mL)	2.4682
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19631-40_min_01.vcl	11,092	15,607	15,777	1.408	0.3625

DSC thermogram:

Sample: P19622_final
Size: 3.3000 mg

DSC

File: P19622_final.001

