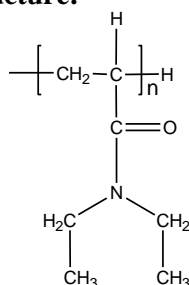


Sample Name: Poly (N-N-diethylacrylamide)

SEC elugram of Homopolymer:

Sample #: P18057-DEAMD

Structure:



Composition:

Mn x 10 ³	PDI
505.5	1.26

Synthesis Procedure:

The polymer is synthesized by anionic polymerization.

Characterization:

The molecular weight and polydispersity index (PDI) of the polymer are obtained by size exclusion chromatography in DMF at 50 °C using Polystyrene calibration The molecular

Thermal analysis:

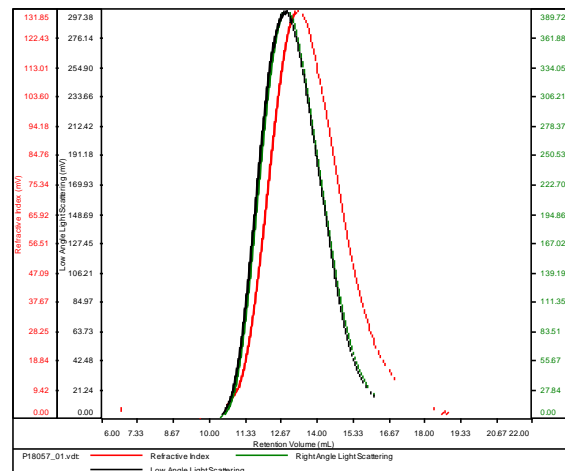
Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature (T_g).

Solubility:

Polymer is soluble in DMF, methanol, ethanol and water, precipitated in hexane.

P18057-DEAMD

Conc	20.2208
dn/dc	0.0870
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80K_2018-01-24-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18057_01.vdt	505,269	636,104	697,465	1.259	1.0222