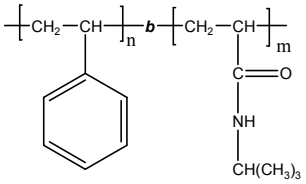
Sample Name:
Poly(styrene-b-N-isopropyl acrylamide)

Sample #: P6273-SNIPAM

Structure:



Composition:

Mn x 10^3 S-b-NIPAM	Mw/Mn (PDI)
16-b-5.2	1.15
For PS block:	T_g: 95°C
For SNIPAM block	T_g: Not distinct

Synthesis Procedure:

Poly(styrene-b-N-isopropyl acrylamide) is prepared by a process where the modification of poly acrylic block is required. The process is proprietary at this stage.

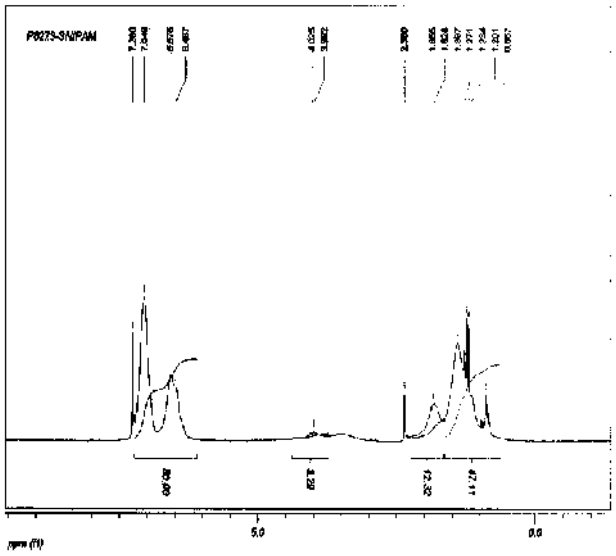
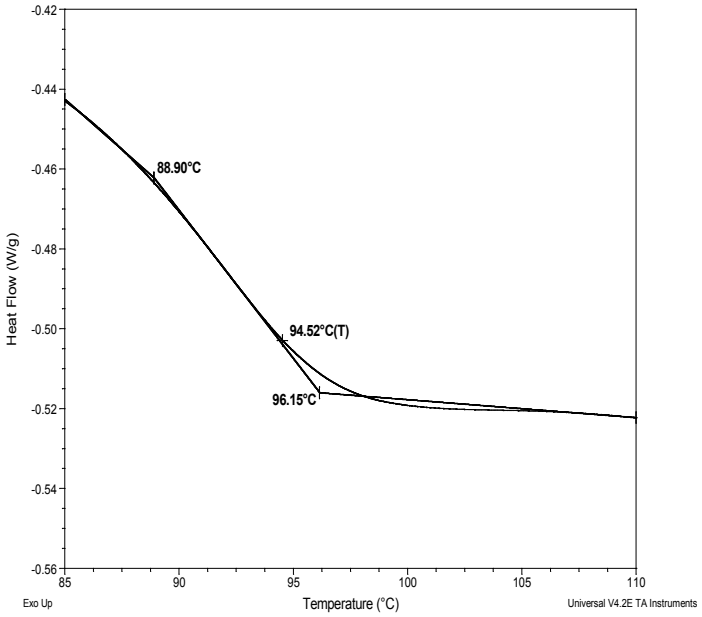
Thermal analysis

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 15°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:

Poly(styrene-b-N-isopropyl acrylamide) block copolymer is soluble in THF and in Chloroform. This polymer can also be solubilized in methanol ethanol depending on the composition.

^{1}H NMR spectrum of the sample



Thermogram for PS block