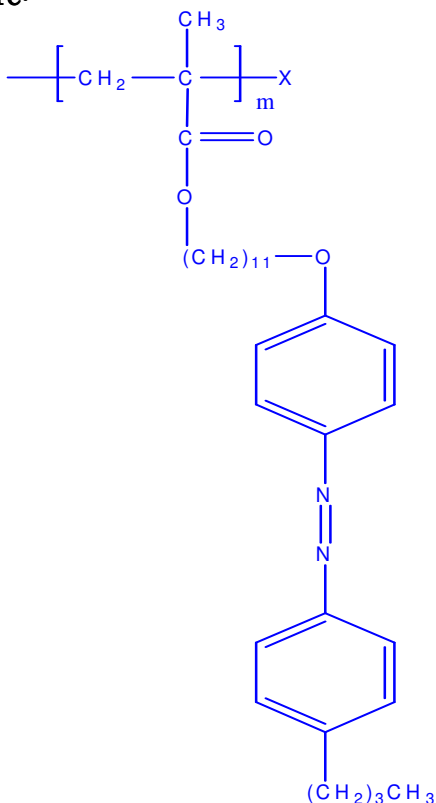


Sample Name: Poly(AzoMA)

(AzoMA=11-[4-(4-butylphenylazo)phenoxy]-undecyl methacrylate)

Sample #: P5658-AzoMA

Structure:



Composition:

$M_n \times 10^3$	PDI
6.5	1.3
T_m (°C): 95	T_c (°C): 93

Synthesis Procedure:

Poly(AzoMA) is prepared by anionic polymerization using diphenyl methyl potassium initiator.

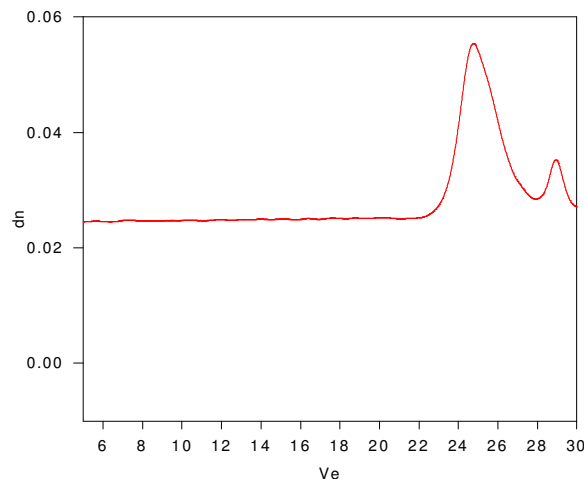
Characterization: Polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight. Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The melting temperature (T_m) was taken as the maximum of the endothermic peak whereas the crystallization temperature (T_c) was considered as the minimum of the exothermic peak.

Solubility:

Poly(AzoMA) is soluble in THF, acetone, and chloroform and it precipitates out in hexane or cold methanol.

SEC of the block copolymer:

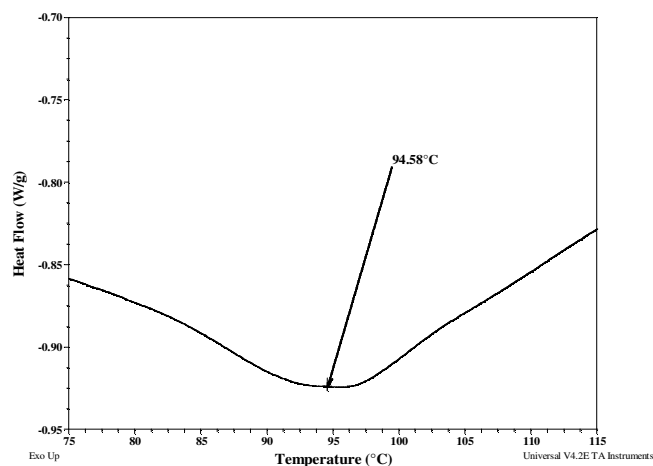
P5658-AzoMA



Size Exclusion Chromatography of Polymer:

$M_n=6500$, $M_w=8500$, $M_w/M_n=1.3$

Melting curve for the polymer:



Crystallization curve for the polymer:

