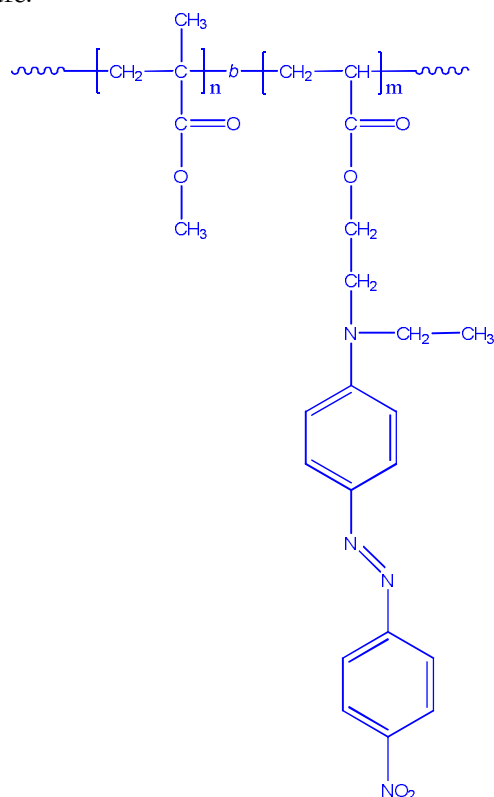


Sample Name: Poly(methyl methacrylate-b-disperse red-1 acrylate)

Sample #: P6733-MMADRIA

Structure:

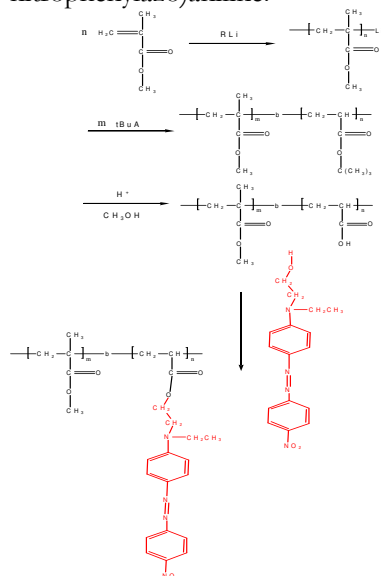


Composition:

Mn x 10 ³	PDI
PMMA-b-PDR1A	
6.0-b-85.0	1.25

Synthesis Procedure:

Poly(methyl methacrylate-b-disperse red 1) by the esterification of Poly(methylmethacrylate-b-acrylic acid) with N-Ethyl-N-(2-hydroxyethyl)-4-(4-nitrophenylazo)aniline:



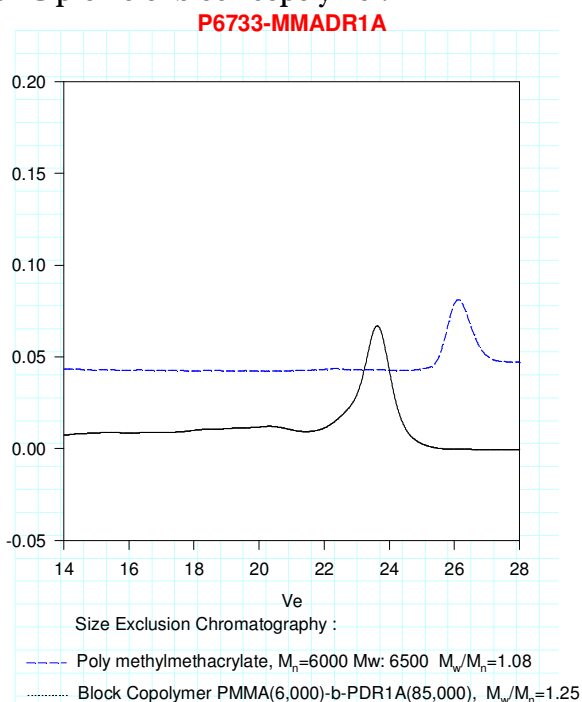
Characterization:

An aliquot of the anionic poly(methyl methacrylate) block was terminated before addition of t-butyl acrylate and analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from ¹H-NMR spectroscopy

Solubility:

Poly(methyl methacrylate-b-disperse red 1 acrylate) is soluble in THF, CHCl₃.

SEC profile of block copolymer:



NMR spectrum of block copolymer:

