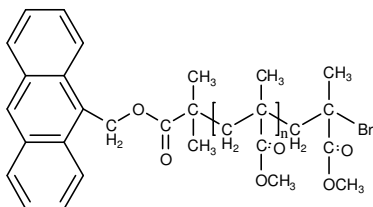


Sample Name: Anthracene Terminated
Poly(methyl methacrylate)

Sample #: P14958-MMA-An

Structure:

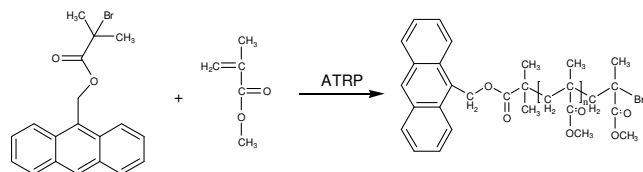


Composition:

Mn x 10 ³	PDI
12.5	1.2
Microstructure (S:H:I)	58:37:5

Synthesis Procedure:

Anthracene ended polymethyl methacrylate is prepared via atom transfer radical polymerization of methyl methacrylate using an anthracene-containing initiator, 9-anthracenemethyl-2-bromoisobutyrate.



Characterization:

The polymer was characterized by SEC and ¹H NMR.

Functionality: functionality of the obtained polymer was determined by proton NMR.

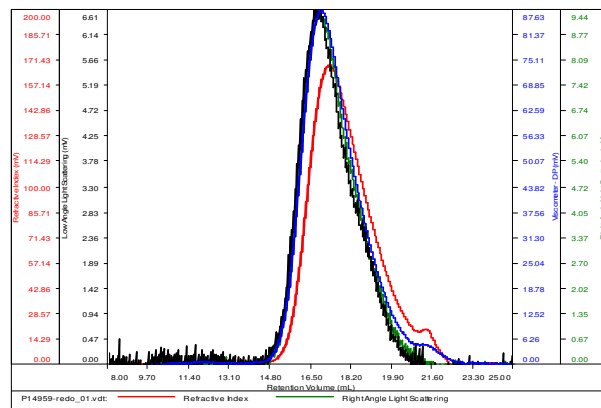
Solubility:

Anthracene terminated PMMA is soluble in DMF, THF, toluene, and CHCl₃. It precipitates from methanol, hexane, water.

SEC elugram:

SAMPLE ID: P14958-MMA-An

Conc (mg/mL)	27.8992
dn/dc (mL/g)	0.0650
Method	ps80k-21Jan2016-DMF-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Peak	Mn	Mw	Mp	Mw/Mn	IV
1	12,622	15,071	15,648	1.194	0.0914

¹H NMR spectrum of Polymer:

