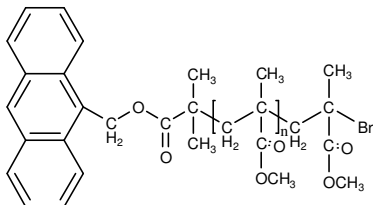


Sample Name: Anthracene Terminated Poly(methyl methacrylate)

Sample #: P14959-MMA-An

Structure:

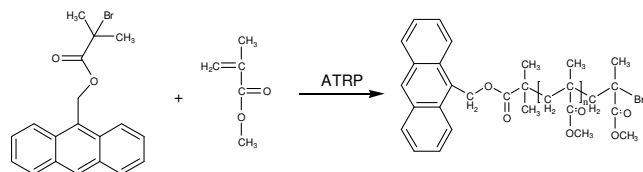


Composition:

Mn x 10 ³	PDI
21.0	1.1
Microstructure (S:H:I)	
60:34:6	

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.

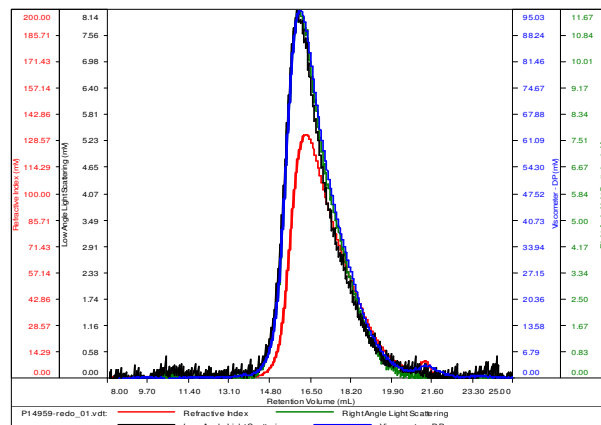
Solubility:

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

SEC elugrame:

SAMPLE ID: P14959-MMA-An

Conc (mg/mL)	18.8547
dn/dc (mL/g)	0.0650
Method	ps80k:21Jan2016-DMF-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P14959-redo_01.vdt	21,127	23,772	25,196	1.125	0.1250

¹H NMR spectrum of polymer:

