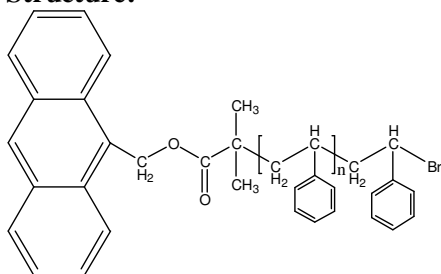


Sample Name: Anthracene ended Polystyrene

Sample #: P14953-S-An

Structure:

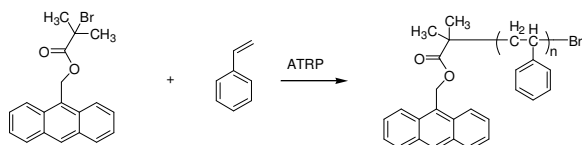


Composition:

Mn x 10 ³	PDI
5.6	1.2

Synthesis Procedure:

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



Characterization:

The polymer was characterized by SEC and ¹H NMR.

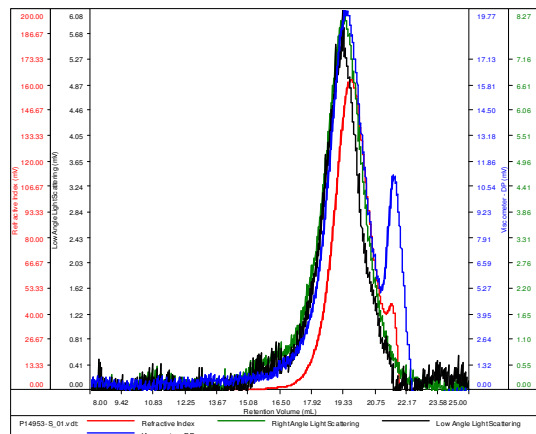
Solubility:

The polymer is soluble in toluene, THF, CHCl₃ and CH₂Cl₂. The polymer is insoluble in methanol, hexane and ether.

SEC elugram:

SAMPLE ID: P14953-S

Conc (mg/mL)	6.9816
dn/dc (mL/g)	0.1650
Method	ps80k:21Jan2016 DMF-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P14953-S_01.vcl	5,641	6,673	5,363	1.183	0.0634

¹H NMR of the polymer

