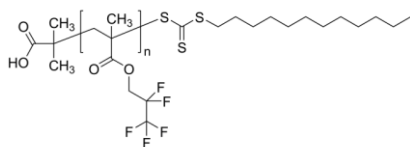


Sample Name: Poly(2,2,3,3,3-pentafluoropropyl methacrylate)

Sample #: P42180A-5FPMA

Structure:



Composition:

Mn x 10 ³	PDI
8.0	1.2

Glass transition temperature:	T _g = 46 °C
Degradation temperature (5% wt loss):	T _{on} = 164 °C

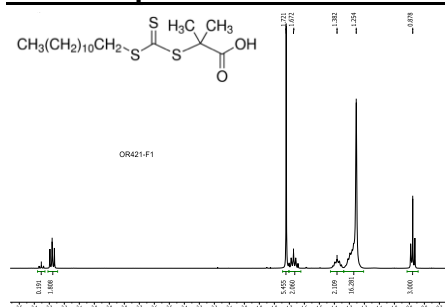
Synthesis Procedure:

The polymer was prepared by RAFT polymerization process.

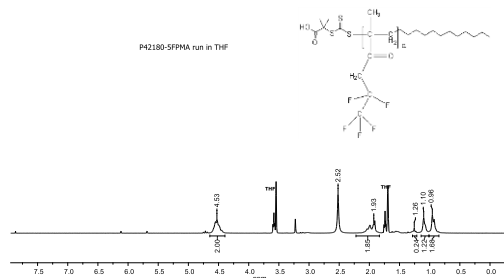
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

¹H NMR spectrum of the RAFT macroinitiator:

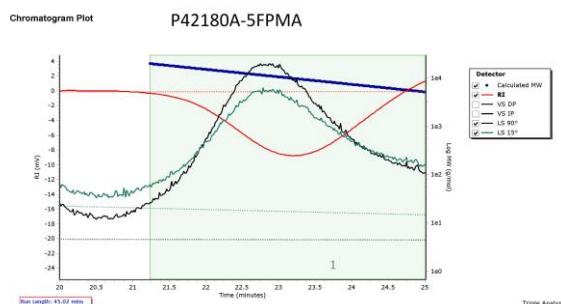


¹H NMR of the polymer carried out in (d8) THF:

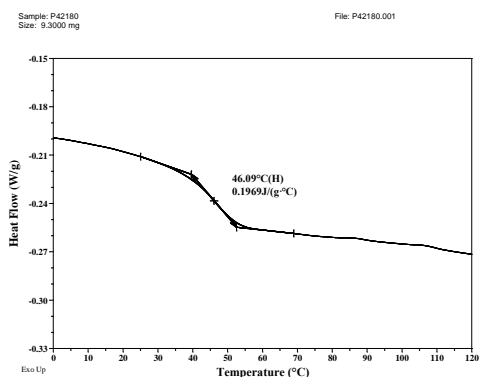


Homo poly9-BE-methacrylate polymer shows negative response of dn/dc in THF.

SEC elugram of the Sample:



DSC thermogram (2nd heating scan, 10 °C/min):



TGA thermogram (5 °C/min, under N₂):

