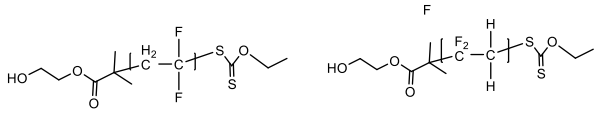
Sample Name:
Hydroxy Terminated Vinylidene difluoride

Sample #: **P60679C-VDFOH**

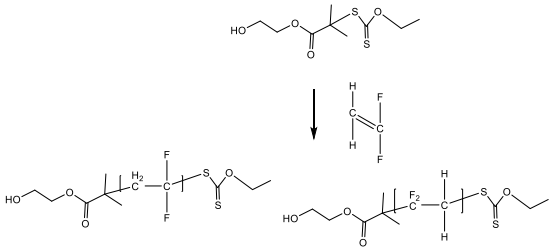
Structure:



Composition:

Mn x 10^3	PDI
4.0	1.05

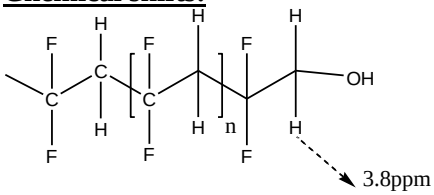
Synthesis Procedure:
The polymer was synthesized by Radical polymerization process using RAFT as chain transfer reagent.



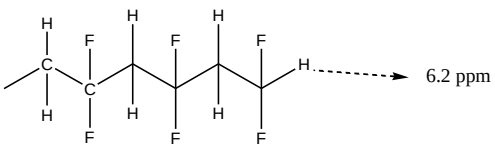
Characterization:
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) in DMF and by HNMR. In DMF it gives negative response because of low dn/dc. It only provides Mw/Mn of the polymer and Mn calculated from its HNMR analysis using end group analysis.

Solubility:
Polymer is soluble in DMF.

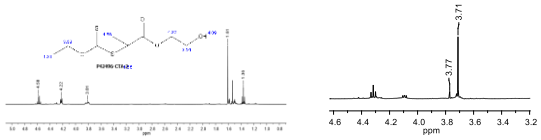
Chemical shifts:

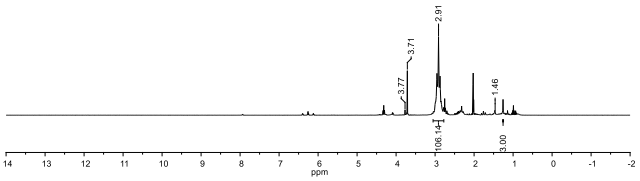


Head to Tail arrangement



H NMR spectrum of the Polymer carried out in DMF:

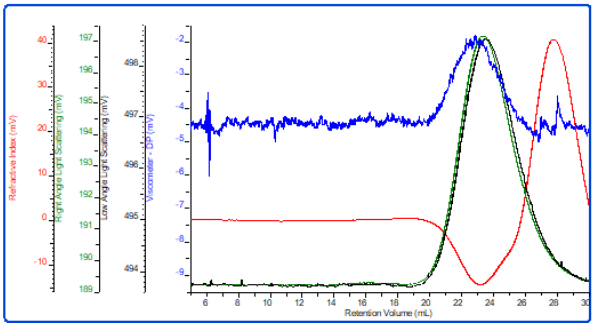




SEC elugram of the Polymer:

P60679C

dn/dc	0.1650
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	Calibration_2020-11-25_PMMA-85K-0003.vcm



GPC run in DMF Shows first RI negative response and the values are overestimated. The Mw/MN values were calculated by SEC and Mn value determined by HNMR analysis.