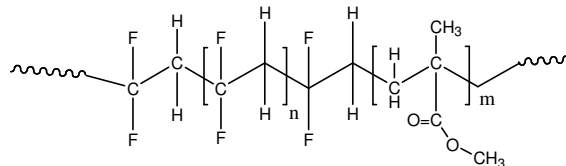


**Sample Name:**  
**Block copolymer of Vinylidene difluoride and**  
**Methyl methacrylate**

P 18657A-VDFMMA

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
19.0-b-100.0	1.2

**Synthesis Procedure:**

Radical process using CHCl<sub>3</sub> as chain transfer reagent in emulsion polymerization.

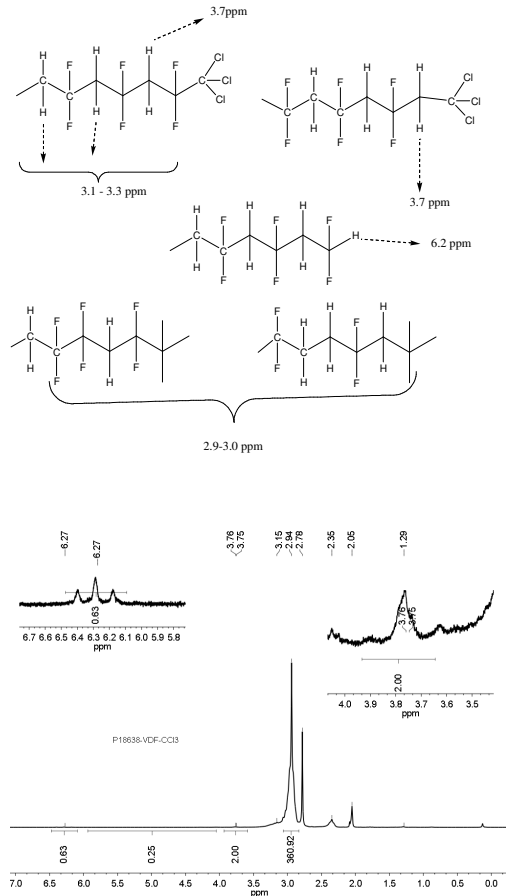
**Characterization:**

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 provide Mw/Mn of the polymer and Mn calculated from its HNMR analysis using end group analysis.

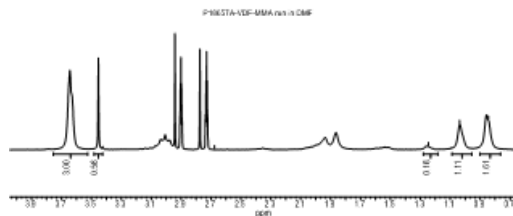
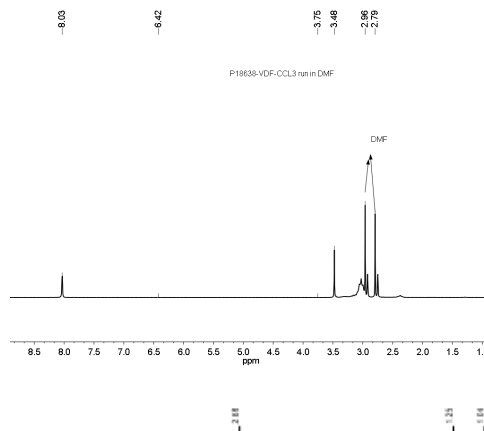
**Solubility:**

Polymer is soluble in DMF.

**H NMR:**



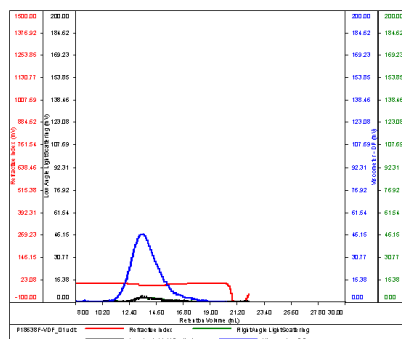
**Run from DMF:**



GPC of the PVDF in DMF shows negative response in its RI detection

SAMPLE ID: P18638F-VDF

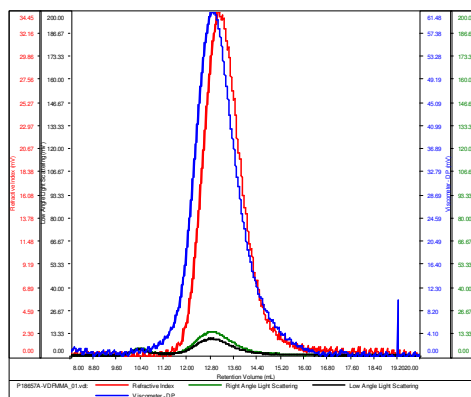
Conc (mg/mL)	0.3754
dn/dc (mL/g)	0.1650
Method	ps80k042014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18638F-VDF_01.vdt	1	1	1	1.000	4865296977

SAMPLE ID: P18657A-VDFMMA

Conc (mg/mL)	0.4783
dn/dc (mL/g)	0.1650
Method	ps80k042014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18657A-VDFMMA_01.vdt	135,682	162,656	141,430	1.199	2.5777