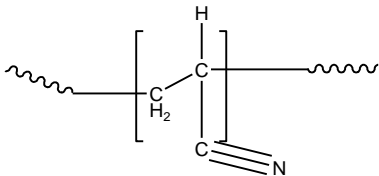


Sample Name: Poly (Acrylonitrile)

Sample #: P41059-AN

Structure:



Composition:

$M_n \times 10^{-3}$	M_w/M_n (PDI)
625.5	1.12

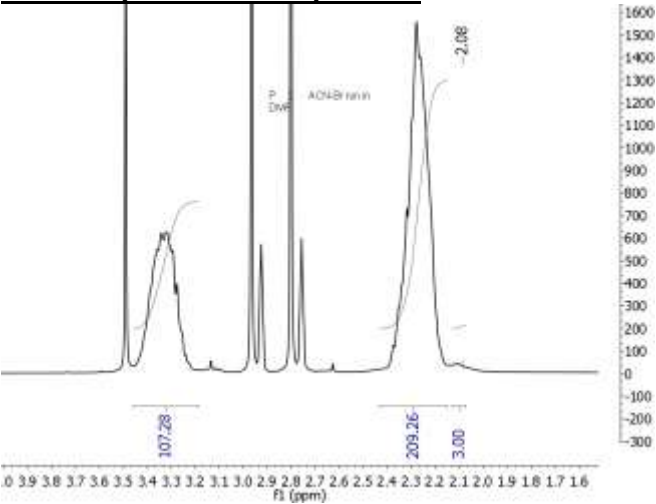
Synthesis Procedure:

Polymer is prepared by combination of a controlled radical process using 2-bromopropionitrile as initiator in ethylene carbonate as solvent.

Solubility:

Polymer is soluble in DMF.

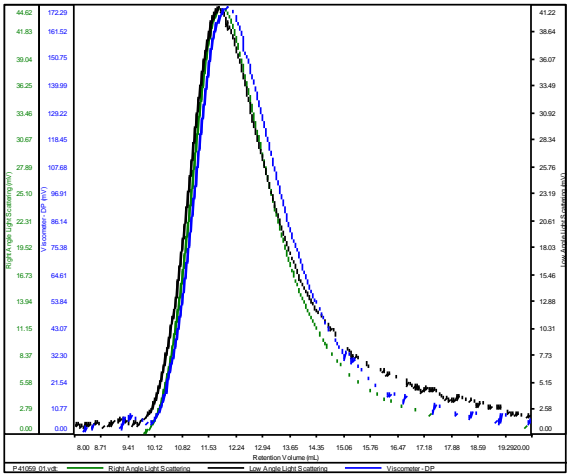
H NMR spectrum of the product:



SEC elugram of the polymer carried out in DMF:

P41059-ACN

Conc	2.6463
dn/dc	0.0900
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm



Sample	M_n	M_w	M_p	M_w/M_n	IV
P41059_01.vdt	625,494	701,943	684,798	1.122	2.2882