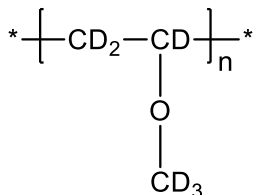


Sample Name:

Deuterated poly(methyl vinyl ether)-d6

Sample #: **P42166-d6MVE**

Structure:



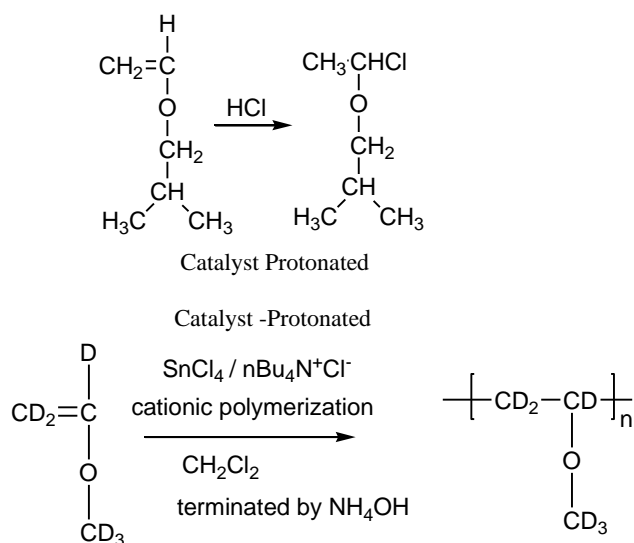
Composition:

$M_n \times 10^3$ (g/mol)	M_w/M_n
3.5	1.2

Glass transition temperature (T _g):	-30 °C
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Synthesis procedure:

Deuterated [d6] poly (methyl vinyl ether) was obtained by living cationic polymerization. The reaction scheme is shown below:



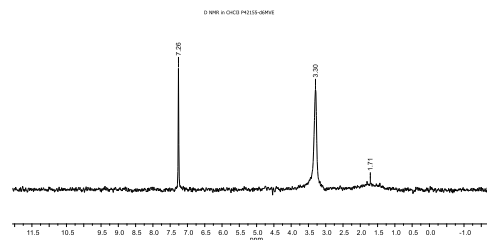
Characterization:

The product was characterized by size exclusion chromatography (SEC), ¹HNMR and DNMR.

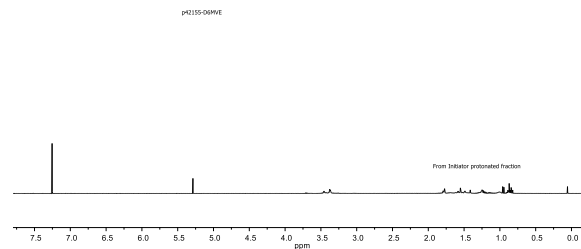
Solubility:

Deuterated poly (methyl vinyl ether) is soluble in Acetone and Methanol.

DNMR spectrum of the Sample in CHCl₃:

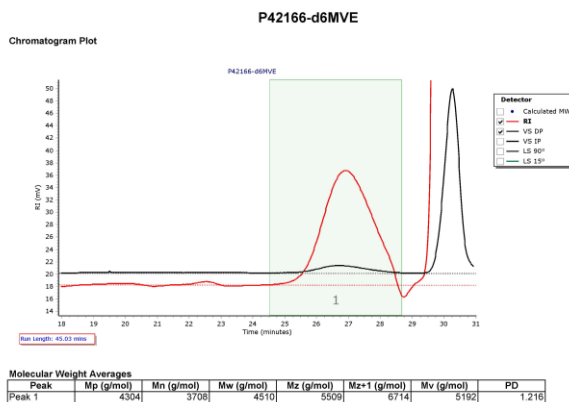


HNMR spectrum of the sample in CdCl₃:



SEC elugram of the Sample:

Agilent GPC/SEC Software



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

