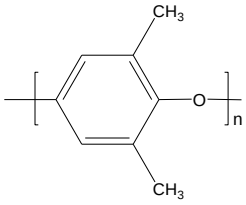
Sample Name: **Poly(2,6-dimethyl-p-phenylene oxide)**

Sample #: **P5165-DMPO**

Structure:

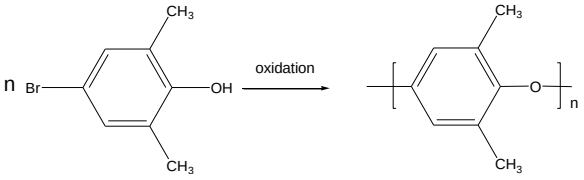


Composition:

Mn x 10^3	PDI
10.0	1.4

Synthesis Procedure:

Poly(2,6-dimethyl-p-phenylene oxide) is obtained by oxidation polymerization and the reaction scheme is shown below.

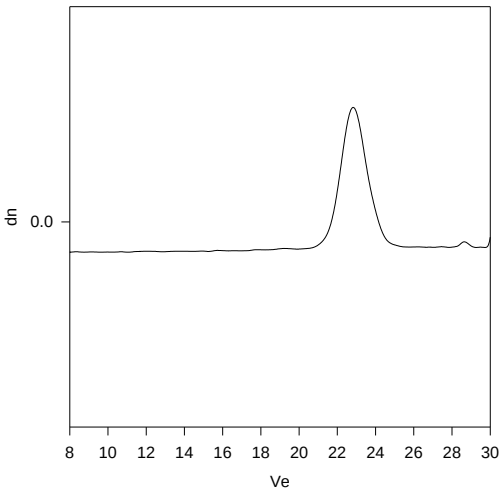


Characterization:

The molecular weight and polydispersity index (PDI) of poly(2,6-dimethyl-p-phenylene oxide) are obtained by size exclusion chromatography.

SEC of Homopolymer:

P5165- DMPO



Size Exclusion Chromatography of Pol(2,6-dimethyl-p-phenylene oxide) on line Viscoteck triple detectors:

M_n=10000, M_w=13700 PI=1.4

Solution Viscosity in THF at 30 oC: 0.235dl/g

Radius of Gyration: 4.78nm