

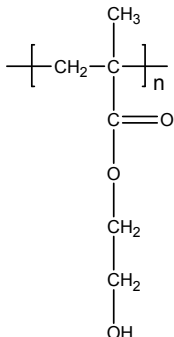
Sample Name:

Poly (2-hydroxyethyl methacrylate)

Sample #: **P10840-HEMA**

(Synthesized by anionic polymerization of HEMA-TMS monomer)

Structure:



Composition:

$M_n \times 10^3$	PDI
21.0	1.25
Microstructures: S: H: I	74:25:1

Synthesis Procedure:

Poly (2-hydroxyethyl methacrylate) is synthesized by living polymerization (anionic or by GTP process) of 2-(trimethylsilyl) ethyl methacrylate followed by deprotection of hydroxyl group under acidic conditions.

Characterization:

The molecular weight and polydispersity index (PDI) of Poly (2-hydroxyethyl methacrylate) are obtained by size exclusion chromatography.

Solubility: Poly (2-hydroxyethyl methacrylate) is soluble in ethanol, DMF etc. But it is insoluble in hexane, toluene, THF, and water.

SEC of Homopolymer:

P10840-HEMA-TMs (OH protected monomer)

