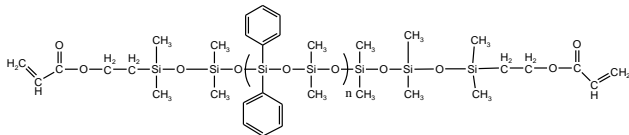


α - ω diacrylate terminated random copolymer of Poly(dimethyl siloxane and poly diphenyl siloxane)

Structure:



Mn x 10 ³	PDI
12.0	1.4
Functionality	Around 60%

The polymer was prepared by Cationic polymerization process then modification of terminal silanol to diacrylate.

The product was characterized by size exclusion chromatography (SEC) and ^1H NMR.

The polymer is soluble in CHCl₃, THF. It is precipitated out from cold ethanol, isopropanol.

1H NMR spectrum of P7235-DMSDP-Sran-2Acrylate in DMSO-d₆. The spectrum shows peaks in the aromatic region (6.3-6.4 ppm) and aliphatic region (1.0-2.0 ppm). The inset shows a zoomed-in view of the aromatic region with peaks at 6.32, 6.06, and 5.76 ppm. The integration values for the peaks are 0.05, 0.69, and 1.00, respectively. The main spectrum has integration values of 239.28, 4.00, and 691.76 for the regions around 7.2, 1.0, and 0 ppm, respectively.

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