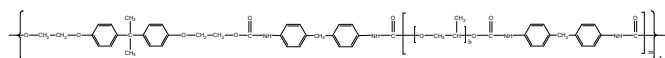


Poly urethane based on Bisphenol A-diethoxylate and propylene glycol and MDI-isocynate.

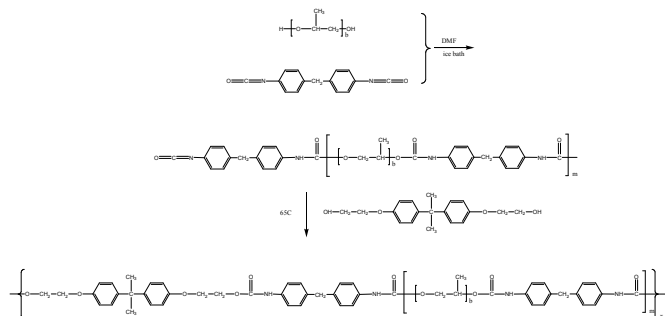
Structure



Mw x 10 ³	Mw/Mn (PDI)	Composition
259.4	4.7	MDI:PPO:BPAEO 1.8:1.0:0.81
		From HNMR 1.8:0.7:0.54

BPAEO: BisphenolA diethoxylate

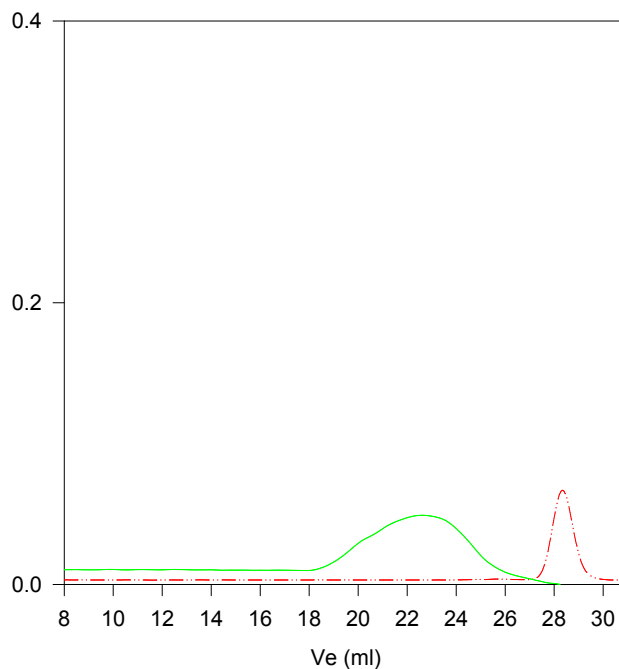
The synthesis method was followed the literature offered by costumer. The scheme of the reaction is illustrated below:



The polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight, polydispersity index (PDI). The composition of the structure was determined by comparing the area of 7.24ppm (MDI), 1.0-1.4ppm (PPG) and 1.59ppm (BOAEO) in NMR spectrum.

MDI:PPO:BPAEO (1.8:1.0:0.81)	Chloroform Y	DMF Y	THF Y	DMSO Y (slow)	Tg oC 25
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P7281- PU



----- Polypropylene glycol,
M_n=725, M_w=800, PI=1.1

Final polymer polyurethanes Mn=55200, PI=4.7