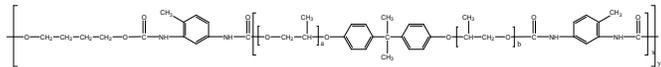


Sample Name:

**Poly urethane based on Bisphenol A-dipropoxylate and 1,4-butane diol and TDI-isocyanate based polyurethanes**

Lot Sample #: **P7278-PU**

### Structure



### Composition

Mw x 10 <sup>3</sup>	Mw/Mn (PDI)	Composition
7.4	1.6	TDI:BPA-PO:BDL 1.5:1.0:0.51

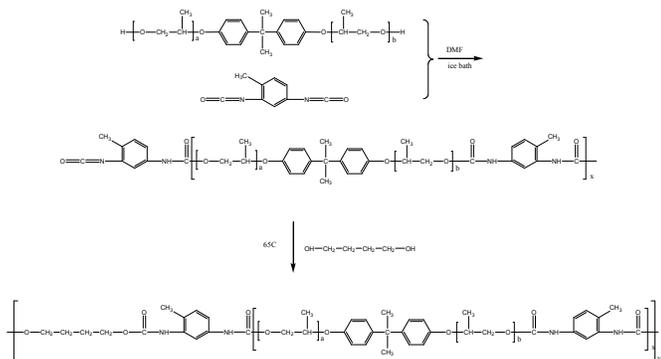
TDI: 2,4-toluenediisocyanate

BPA-PO: Bisphenol A propoxylate Mn=344

BDL: 1,4-Butanediol

### Synthesis Procedure:

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



### Characterization:

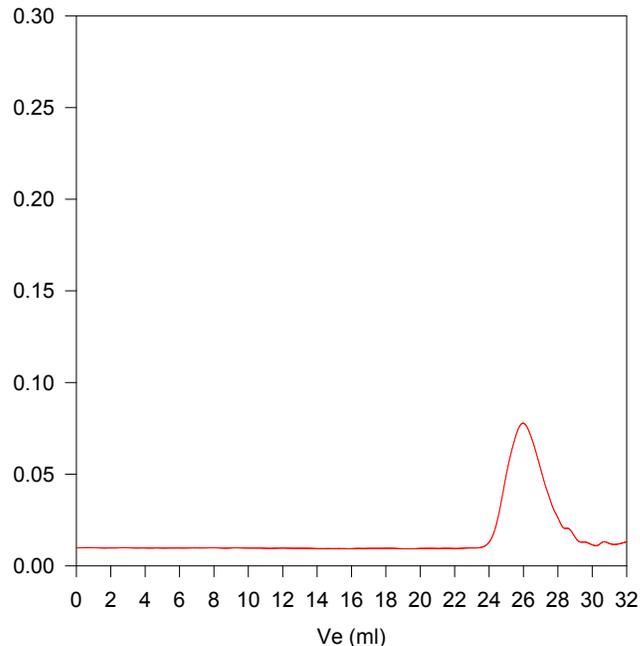
The polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight, polydispersity index (PDI).

### Solubility:

TDI:BPA-PO:BDL 1.5:1.0:0.51	Chloroform (y)	THF (Y)	DMF (Y)	DMSO (Y)	Tg oC 24
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### SEC of the product:

**P7278-PU**



Size exclusion chromatograph ( polystyrene standard)

Mw=7400, M<sub>n</sub>=4600, PI=1.6