

**Product List (Precursor Raw Materials): Polyols, Extenders, Crosslinkers, Catalyst, and Additives**



The listed products are raw materials we carry that can be repackaged in 5-gallon pails and/or 55-gallon drums available for sale. Please contact Northstar Polymers for the price, availability, and other questions. The values herein are typical values and vary within the respective ranges.

**PTMEG**

General Description	OH Number	Equivalent Weight	OH Functionality	Density (g/cm <sup>3</sup> )	Viscosity
PTMEG 1000 MW	112	501	2	0.982	440 cps at 90 °F
PTMEG 2000 MW	56	1002	2	0.982	600 cps at 140 °F

**PPG Polyether Polyol**

General Description	OH Number	Equivalent Weight	OH Functionality	Density (g/cm <sup>3</sup> )	Viscosity
PPG 275 MW TMP based Liquid Triol (with EO)	610	92	3	1.114	650 cps at 77 °F
700 MW Sucrose Based Polyol (for Rigid Foams)	360	156	4	1.08	3500 cps at 77 °F
PPG 400 MW Diol (All Secondary OH)	260	216	2	1.002	73 cps at 77 °F
PPG 700 MW Triol (All Secondary OH)	230	244	3	1.026	270 cps at 77 °F
PPG 1000 MW Diol (with EO)	112	501	2	1.059	172 cps at 77 °F
PPG 2000 MW Diol (All Secondary OH)	56	1002	2	1.002	250 cps at 77 °F
PPG 4800 MW Triol (with EO)	35	1603	3	1.022	900 cps at 77 °F
PPG 6300 MW Triol (All Secondary OH)	35	1603	3	1.003	1300 cps at 77 °F
PPG 4000 MW Diol (with EO)	29	1935	2	1.013	840 cps at 77 °F
PPG 6000 MW Triol (with EO)	28	2004	3	1.022	1150 cps at 77 °F

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## Polyester Polyol

General Description	OH Number	Equivalent Weight	OH Functionality	Density (g/cm <sup>3</sup> )	Viscosity
Polyester Polyol: Ethylene Adipate 2000 MW	55	1020	2	1.282	1100 cps at 140 °F
Polyester Polyol: Ethylene/Propylene Adipate 2000 MW	55	1020	2	1.174	1030 cps at 140 °F

## Extenders/Crosslinkers

General Description	OH Number	Equivalent Weight	Functionality	Density (g/cm <sup>3</sup> )	Viscosity
Diethanolamine	1601	35	3	1.088	900 cps at 77 °F
1,4 Butanediol	1247	45	2	1.02	65 cps at 77 °F
2-Methyl-1,3-Propanediol (MPO)	1245	45	2	1.05	70 cps at 77 °F

## Amine-based Extenders/Crosslinkers

General Description	OH Number	Equivalent Weight	Functionality	Density (g/cm <sup>3</sup> )	Viscosity
Tetra (2-hydroxypropyl) ethylenediamine, 292 MW	NA	73	4	1.01	900 cps at 140 °F
Diethyltoluenediamine (DETDA),	NA	89	2	1.022	155 cps at 77 °F
Dimethylthiotoluenediamine, 214 MW	NA	107	2	1.208	690 cps at 68 °F

## Castor Oil

General Description	OH Number	Equivalent Weight	OH Functionality	Density (g/cm <sup>3</sup> )	Viscosity
Castor Oil (Dry Grade)	342	164	2.7	0.959	580 cps at 77 °F

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## Catalyst

Product Code	General Description	Package Size (also \$280 per order minimum applies)
<b>CA-01</b>	33% triethylene diamine in 67% dipropylene glycol	2 LBS in 1x quart can, 8 LBS in 1x gallon can, 40 LBS in 1x pail
<b>CM-01</b>	Dibutyltindilaurate	2 LBS in 1x quart can, 8 LBS in 1x gallon can

## Silicone Surfactant for Foams

Product Code	General Description	Package Size (also \$280 per order minimum applies)
<b>DC193</b>	For rigid foam and closed-cell microcellular foams	2 LBS in 1x quart can, 8 LBS in 1x gallon can, 40 LBS in 1x pail
<b>DC5043</b>	For open cell flexible foams	2 LBS in 1x quart can, 8 LBS in 1x gallon can

## Anti-Foaming Agent

Product Code	General Description	Package Size (also \$280 per order minimum applies)
<b>AF9000</b>	Anti-foaming agent for non-foam resins	2 LBS in 1x quart can, 8 LBS in 1x gallon can, 40 LBS in 1x pail

Notice: All of the statements, recommendations, suggestions, and data concerning the subject material are based on our laboratory results, and although we believe the same to be reliable, we expressly do not represent, warrant, or guarantee the accuracy, completeness, or reliability of same, or the material or the results to be obtained from the use thereof, neither do we warrant that any such use, either alone or in combination with other materials, shall be free of the rightful claim of any third party by way of INFRINGEMENT or the like, and TANDEM PRODUCTS and NORTHSTAR POLYMERS DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE

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