3003

Polyether polyol

3003 is a polyether polyol, average 3000 molecular weight which offers significant advantages in the production of flexible slabstock foam. The special features of foam produced with 3003 include uniform and consistent properties, excellent color and improved oxidation resistance.

APPLICATIONS

- Flexible polyurethane foam for mattress, upholstered furniture, packaging, automotive and textile lamination

Typical Properties	Method	Unit	Value
Appearance	QC0-I002-T001	-	Clear liquid
Viscosity (@25° C)	QC0-I002-T025	cps	400 – 600
Hydroxyl Value	QC0-I002-T012	mg KOH/gm	54 – 58
Water content	QC0-I002-T026	%	Max. 0.05
Acid Number	QC0-I002-T003	mg KOH/gm	Max. 0.02
Color	QC0-I002-T007	Pt-Co	Max. 30
Unsaturation	QC0-I002-T022	Meq/gm	Max. 0.04
pH	QC0-I002-T017	-	6.5 – 8.0
Total K+/Na+	QC0-I002-T021	ppm	Max. 5

STORAGE AND HANDLING

3003 polyol is hygroscopic, and dry nitrogen or low dew point air is recommended for tank padding. Drums should be kept tightly closed to prevent contamination. The recommended storage temperature is 20-25 °C.

TOXICOLOGICAL PROPERTIES

3003 has not been specifically evaluated for its toxicological properties. However, the similarity of the product to others, about which health hazard data is available, provides assurance that it represents minimum hazard. Polyols are low to very low in acute oral toxicity. Because of their low vapor pressure, polyols present no significant inhalation hazard. These materials generally are not irritants to the skin, but can cause mild irritation to the eyes.

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