

4414

Polyether polyol

4414 is a multifunctional polyether polyol recommended for the production of rigid urethane foam. It is suitable for both high and low density foams. 4414 can be used alone, or in combination with other polyols and fire retardants, to achieve various degrees of crosslinking. The polyol results in formulations with excellent k-factor to dimensional stability relationships.

APPLICATIONS

- Appliance insulation, insulated panels, pour-in-place insulation and bunstock foam
- Refrigerated transportation vehicles

Typical Properties	Method	Unit	Value
Appearance	QC0-I002-T001	-	Clear liquid
Viscosity (@25° C)	QC0-I002-T024	cps	7,500 – 11,500
Hydroxyl Value	QC0-I002-T012	mg KOH/gm	475 – 505
Water content	QC0-I002-T026	%	Max. 0.10
Acid Number	QC0-I002-T002	mg KOH/gm	0.01 – 0.50
Total K+/Na+	QC0-I002-T021	ppm	Max. 50

STORAGE AND HANDLING

4414 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

4414 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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