

Product Data Sheet

K-FLEX[®] UD-320-100 Polyurethane Polyol



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K-FLEX UD-320-100 is an aliphatic, low molecular weight urethane diol oligomer, supplied at 100% solids. It is recommended as a chemical intermediate for prepolymer synthesis and allows the incorporation of aliphatic urethane groups without the use of isocyanates.

APPLICATIONS:	Recommended as a chemical intermediate or as a resin modifier for all types of melamine or isocyanate crosslinked coatings: Automotive Paper Wood Screen Printing Ink Leather	
ADVANTAGES:	Lower VOC Increased hardness Good chemical resistance Isocyanate free Good Exterior durability Excellent hydrolytic stability Good QUV resistance Solvent free	
TYPICAL PROPERTIES:	Appearance	Viscous, clear liquid
	% Active	100
	Viscosity, cPs, 50° C	7,000
	Hydroxyl number	350
	Hydroxyl equiv. Weight, g/eq.	160
	Color, Gardner	2
	Weight per gallon lbs.	9.5
	Moisture content, %	0.02
SOLUBILITY:	Soluble in most organic solvents with the exception of aromatic and aliphatic hydrocarbons. Aromatic solubility can be achieved in combination with a hydrogen bonding solvent.	
TYPICAL USAGE LEVELS:	5-25% replacement of primary backbone resin	
SHELF LIFE:	Minimum of 24 months from date of manufacture, when stored in the original container at ambient conditions.	
HANDLING & STORAGE:	Store in a cool, dry location. Please consult Material Safety Data Sheet for further information.	
REGULATORY:	Please refer to Section 15 of the Material Safety Data Sheet for information.	