

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

<b>TYPICAL PROPERTIES:</b>	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.