

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.