

K-FLEX[®] A307
Polyester Diol
Preliminary Data Sheet



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K-FLEX A307 is a low viscosity, 100% solids linear, saturated, aliphatic polyester diol with primary hydroxyl groups. This product was designed as a flexibility modifier for acrylic/isocyanate and acrylic/melamine systems. The low hydroxyl number minimizes the crosslinker demand.

APPLICATIONS: Automotive OEM
Automotive refinish
Aerospace
Industrial maintenance
Plastic coatings

ADVANTAGES: Improved flexibility
Good balance of surface dry/pot life in 2K PU
Low isocyanate demand
Light color
Abrasion resistance
No acid functionality

TYPICAL PROPERTIES:	Appearance	Clear, viscous liquid
	% Nonvolatile, 1 Hr @ 110° C	97
	Viscosity, cPs, 25° C	5,400
	Hydroxyl number	140
	Hydroxyl equiv. Weight	400
	Acid number	0.1
	Weight per gallon, 25°C	9.25
	Gardner color	1

SOLUBILITY: Soluble in alcohols, esters, ketones, xylene, Aromatic 100 and Aromatic 150.
Partially soluble in mineral spirits. Insoluble in water.

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 Safety Data Sheet for further information.

REGULATORY: Please refer to Section 15 of the Safety Data Sheet for information.