

**K-FLEX<sup>®</sup> A307**  
**Polyester Polyol**  
**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

<b>TYPICAL PROPERTIES:</b>	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 Material Safety Data Sheet for further information.

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