

## 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 Appearance Clear, viscous liquid

**PROPERTIES:** % 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 & Store in a cool, dry location. Please consult Safety Data Sheet for

**STORAGE:** further information.

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

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