

Product Data Sheet

K-FLEX[®] 188 Polyester Diol



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K-FLEX 188 is a highly reactive, aliphatic polyester diol which is recommended for aminoplast or isocyanate crosslinked coatings, inks, sealants, elastomers, and adhesives. Its uniform, narrow molecular weight distribution and unique chemical structure provide exceptional and consistent performance and broad compatibility. K-FLEX 188's primary hydroxyl groups also provide reactivity with epoxies in cationic thermal cure systems.

APPLICATIONS:

- Aerospace
- Appliance and Metal Decorating
- Automotive OEM & Refinish
- Plastic Substrates
- Overprint Varnishes
- Marine/Maintenance
- Glass laminates/Optical coatings

ADVANTAGES:

- 100% Active
- Low VOC
- Improved Flexibility
- Excellent Cured Film Properties
- Low Temperature Cure
- Excellent Adhesion to Plastics
- High Resistivity

TYPICAL PROPERTIES:	Appearance	Clear, Light Straw Liquid
	% Active	100
	Viscosity, cPs, 25° C	9,800
	Hydroxyl number	230
	Hydroxyl equiv. weight	244
	Weight per gallon, 25°C	9.3 lb.
	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: Typically 5 -10% on total resin solids (TRS) for melamine baking systems or 5 - 25% on TRS for 2-component urethanes.

SHELF LIFE: 24 months from the date of manufacture when stored at room temperature in the original container.

HANDLING & STORAGE: K-FLEX 188 should be stored in a cool dry location at temperatures of 15 - 35°C. For additional information, refer to the Material Safety Data Sheet.

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

File:K-FLEX 188

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