

K-FLEX® XM-359 Polyester Diol



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K-FLEX XM-359 is designed to provide long pot life in 2K polyurethanes and to prevent yellowing resulting from interaction with benzotriazole (BZT) UV absorbers in clearcoat systems. K-FLEX XM-359 is a saturated, aliphatic resin modifier. It provides a good balance of flexibility with hardness, excellent exterior durability plus excellent solubility in many different solvents including exempt solvents.

APPLICATIONS: Aerospace

Automotive OEM & Refinish

Plastic Coatings Marine/Maintenance

Optically Clear Coatings, Elastomers and Laminates

ADVANTAGES: Optical Clarity/Low color

No yellowing from interaction with BZT UV Absorbers Long pot life for 2-component polyurethane systems

Excellent compatibility and solubility (including exempt solvents)

Hardness with flexibility

TYPICAL Appearance Clear, Light Straw Liquid

PROPERTIES: % Active 100

Viscosity, cPs, 25° C 9,800 Hydroxyl number 230 Hydroxyl equiv. weight 244 Weight per gallon, 25°C 9.3 lbs.

Gardner color 1

SOLUBILITY: Soluble in alcohols, esters, ketones, xylene, Aromatic 100, Aromatic 150, t-butyl

acetate, Oxsol 100, propylene carbonate and dimethyl carbonate. 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:

Store in a cool, dry location. For additional information, refer to the Safety Data

Sheet.

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

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