

# Product Data Sheet

## K-FLEX<sup>®</sup> XM-359 Polyester Diol



Science Road  
Norwalk, CT 06852  
(800) 431-7900  
Fax: (203) 866-1268  
E-mail: coatings@kingindustries.com

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.

<b>APPLICATIONS:</b>	Aerospace Automotive OEM & Refinish Plastic Coatings Marine/Maintenance Optically Clear Coatings, Elastomers and Laminates	
<b>ADVANTAGES:</b>	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	
<b>TYPICAL PROPERTIES:</b>	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 lbs.
	Gardner color	1
<b>SOLUBILITY:</b>	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.	
<b>TYPICAL USAGE LEVELS:</b>	Typically 5 -10% on total resin solids (TRS) for melamine baking systems or 5 - 25% on TRS for 2-component urethanes.	
<b>SHELF LIFE:</b>	24 months from the date of manufacture when stored at room temperature in the original container.	
<b>HANDLING &amp; STORAGE:</b>	Store in a cool, dry location. For additional information, refer to the Material Safety Data Sheet.	
<b>REGULATORY:</b>	Please refer to Section 15 of the Material Safety Data Sheet for information.	

file:K-FLEX XM-359

Issue Date: 8/19/2011

Supersedes:

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of product evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. Such testing has not necessarily been done by King Industries, Inc. ("King"). The facts, recommendations and suggestions herein stated are believed to be reliable; however, no guaranty or warranty of their accuracy is made. EXCEPT AS STATED, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. KING SHALL NOT BE HELD LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES. Any statement inconsistent herewith is not authorized and shall not bind King. Nothing herein shall be construed as a recommendation to use any product(s) in conflict with patents covering any material or its use. No license is implied or granted under the claims of any patent. Sales or use of all products are pursuant to Standard Terms and Conditions stated in King sales documents.