

Preliminary Product Data Sheet

K-FLEX[®] XM-337 Polyester Diol



Science Road
Norwalk, CT 06852 USA
Phone: +1 (203) 866-5551
Toll Free: (800) 431-7900
E-Mail: coatings@kingindustries.com

K-FLEX XM-337 is an aliphatic saturated polyester diol modifier resin designed to provide increased toughness and chemical resistance for solvent based and high solids systems. It is recommended for use in 1 and 2 component polyurethanes, and blocked isocyanate systems. Benefits include low color, UV durability, high hardness, high impact resistance, abrasion resistance and overall increased toughness.

For clear 2K PU cast elastomers K-FLEX XM-337 also provides optical clarity and high impact resistance, Shore D hardness, tensile strength, modulus and Bayshore rebound.

APPLICATIONS: Optically clear urethane elastomers
Urethane ballistic systems
Ophthalmic lenses
Aerospace
Thermoplastic urethanes
Structural adhesives

TYPICAL PROPERTIES:	Appearance	Clear liquid
	Active, wt. %	100
	Viscosity, cPs, 25° C	55,000
	Hydroxyl number	230
	Hydroxyl equiv. weight	260
	Weight per gallon, lbs. (22°C)	9.25

SOLUBILITY: K-FLEX XM-337 is soluble in most polar organic solvents including alcohols, glycols, ketones, esters, glycol ethers and aromatics. It is not soluble in water or aliphatics.

TYPICAL USAGE LEVELS: K-FLEX XM-337 may be used as a reactive resin modifier, or as a primary resin, as required.

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. On storage near ambient temperature, K-FLEX XM-337 may form a crystalline haze. Warming to 60°C for a short period of time will clarify the product. Please consult Safety Data Sheet for further information.

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

File:K-FLEX XM-337

Issue Date: 8/17/17

Supersedes: 3/13/13

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.