

# Preliminary Product Data Sheet

## K-FLEX<sup>®</sup> XM-337 Polyester Diol



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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

|                            |                                |              |
|----------------------------|--------------------------------|--------------|
| <b>TYPICAL PROPERTIES:</b> | 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 Material Safety Data Sheet for further information.

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

File:K-FLEX XM-337

Issue Date: 3/13/13

Supersedes: 1/5/11

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