

Product Data Sheet

K-FLEX® XM-3018 Preliminary Data Sheet



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K-FLEX XM-3018 is a water reducible, multi-functional, polyester polyol resin modifier. It can be easily dispersed in water when neutralized with amine. XM-3018 can be used in solventborne and waterborne 2K PU and aminoplast crosslinked coatings.

ADVANTAGES:

- Improve flexibility without hurting hardness
- Good appearance, high gloss
- Enhanced corrosion resistance
- Low acid value
- Good adhesion

TYPICAL PROPERTIES	Appearance	Clear, light straw liquid
	% Active	85
	Hydroxyl number, on solids	150-190
	Acid Value, as supplied	20-45
	Viscosity, cP, 25°C	10,000 – 20,000
	Specific gravity, 25°C	1.1
	Volatile	Propylene glycol monobutyl ether
	pH	3.0

SOLUBILITY: Soluble in glycols, aromatics, esters, and ketones.
Dispersible in water when neutralized with amine.

APPLICATIONS:

- Aerospace
- Automotive
- Coil
- General industrial
- Packaging

TYPICAL USAGE LEVELS: 5-15% active on total resin solids (TRS).

INCORPORATION: XM-3018 can be incorporated into grind or let down of pigmented formulations. Product should be neutralized with amine before adding water. XM-3018 is fully dispersible in water when neutralized to pH 7-8. Incorporate with agitation for both SB and WB formulations.

SHELF LIFE: 12 months from the date of manufacture, when stored at ambient conditions in the original container.

HANDLING & STORAGE: K-FLEX XM-3018 is classified as a combustible liquid as well as a skin and eye irritant. Safe handling of the product should include the use of safety glasses and gloves. Avoid breathing vapors – use adequate ventilation. Refer to SDS for detailed information

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

File: K-FLEX XM-3018

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