

# Preliminary Data Sheet

## K-POL<sup>®</sup> XM-413



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K-POL XM-413 is a liquid, aliphatic urethane diol. K-POL XM-413 does not contain any ether, ester nor acid functionality and is recommended for use as a chain extender and curative for aliphatic prepolymers.

### ADVANTAGES

Light stable and lower color versus aromatic diamines  
Longer pot life versus 1,4-BD and diamines  
Dial in cure time with catalyst  
Properties of cured elastomers similar to those obtained with 1,4-BD and E300  
Improved ratio control versus 1,4-BD due to higher equivalent weight  
Liquid at room temp. (no dust exposure as there is with MBCA)  
No melting required (as is with MBCA)  
Compatible with 1,4-BD  
Non-toxic, lower health and safety concern versus aromatic diamines

### TYPICAL PROPERTIES

Appearance	Liquid
Active content, wt. %	100
Hydroxyl number	750 - 800
Equivalent weight, g/eq.	74
Diluent	None
Viscosity, cP, 25° C	800 - 900
Specific gravity, 25°C	1.26
Color, Gardner	2 - 4

### SOLUBILITY

Soluble in water and in all water miscible organic solvents. It is not soluble in aliphatic and aromatic hydrocarbons

### APPLICATIONS

Cast elastomers  
Microcellular elastomers (Foam)  
Thermoplastic elastomers (TPU)

### SHELF LIFE

12 months from the date of manufacture when stored at room temperature in the original container.

### HANDLING & STORAGE

K-POL XM-413 should be stored in a cool dry location at temperatures of 15-35°C. Care should be taken to prevent exposure to moisture. It is recommended that K-POL XM-413 be capped with dry nitrogen at all times. 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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Supersedes: