

## Preliminary Data Sheet K-POL® XM-413



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 Appearance Liquid
PROPERTIES 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 &**K-POL XM-413 should be stored in a cool dry location at temperatures of 15-35°C. **STORAGE**Care should be taken to prevent exposure to moisture. It is recommended that K-

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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