



Prepolymer

MPB-028

MPB-028 is a polyether based MDI prepolymer used in a variety of exclusive specialty formulations by Northstar Polymers and may also be used as many other custom urethane formulations. MPB-028 is low viscosity liquid at room temperature, and it is a good candidate for a component material of room-temperature-cure polyurethane elastomer systems. Its prepolymer extension with longer polyol chain allows formulators to formulate elastomer and foam polyurethane compounds in the softer Durometer hardness range. The functionality of MDI content is medium low range, and this allows formulators to compound elastomer formulations with high elongation, good tensile strength, and reasonable demolding time with good green strength. Some of the common applications for MPB-028 include component materials for flexible mold-making compound for concrete molds, flexible foam formulations, soft elastomer formulations, and many other custom applications.

Typical Physical Properties

Specific Gravity:	1.108
Viscosity 72 °F (cps):	450 – 750
% NCO:	14.5
Amine Equivalents:	290
Appearance at 77 °F:	Pale Yellow Liquid
Storage Temperature:	72 °F to 96 °F

Health and Safety Information

We prepare Safety Data Sheets and Product Labels that provide health and safety information intended to aid in the safe use of this prepolymer. Before using or handling this product each person must read and become familiar with the safety/handling information as well as processing information. For more information, contact your Northstar Polymers representative or call our corporate headquarters in Minneapolis MN.

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