



Prepolymer

MPC-022

MPC-022 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. MPC-022 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 long polyol chains allows formulators to formulate elastomer and foam polyurethane compounds in the softer Durometer hardness range. The functionality of MDI content is 2.09, and this allows formulators to compound elastomer formulations with fast green strength developments and foam formulations with faster gelling rates. Due to the 2,4 MDI isomer and pMDI content, MPC-022 is more shelf-stable than other MDI prepolymers.

Typical Physical Properties

Specific Gravity:	1.141
Viscosity 72 °F (cps):	500 – 1100
% NCO:	19.0
Amine Equivalents:	221
Appearance at 77 °F:	Amber/Yellow Color Liquid
Storage Temperature:	72 °F to 86 °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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