



Prepolymer

MPN-033

Introducing MPN-033, a versatile polyurethane prepolymer engineered for specialty applications. Developed by Northstar Polymers, this polyether-based MDI prepolymer offers formulators a wide range of custom urethane systems—including adhesives, coatings, sealants, and elastomers. MPN-033 is designed to meet the demanding performance standards of industrial manufacturing, making it an excellent choice for companies seeking tailored polyurethane solutions.

With medium viscosity at room temperature, MPN-033 is easy to process and particularly well-suited as a component in room-temperature-cure elastomer systems. When cured with 1,4-Butanediol, it forms a robust polyurethane elastomer with a Durometer hardness of 50D, delivering the strength and durability required in various applications. This prepolymer is extended with a medium molecular weight linear polyol, enabling the formulation of tough yet flexible films and molded parts.

What sets MPN-033 apart is its MDI functionality of 2.15, which allows formulators to create fast-curing systems without sacrificing mechanical performance. Whether you're developing next-generation industrial adhesives or rugged elastomer components, MPN-033 offers a commercially compelling blend of versatility, reactivity, and mechanical strength.

Typical Physical Properties

Specific Gravity:	1.123
Viscosity 77 °F (cps):	2,500
% NCO:	12.8
Amine Equivalents:	327
Appearance at 77 °F:	Pale Yellow 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

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