



Prepolymer

MSA-031

MSA-031 is a polyester based MDI prepolymer used in a high-performance casting elastomer system by Northstar Polymers; it may also be used in many other custom polyurethane formulations. MSA-031 makes Shore Durometer 60D hardness non-foam elastomer when cured with 1,4 butanediol, and it can also be compounded with many other types of curing agents. MSA-031 is extended by polyester polyol, which has a good affinity with many polar raw materials. The MDI functionality of MSA-031 is close to 2.0, which helps compounding polyester based quasi systems with good tensile/elongation properties.

Typical Physical Properties

Specific Gravity:	1.189
Viscosity 185°F (cps):	310
% NCO:	13.5
Amine Equivalents:	310
Appearance at 77 °F:	Pale Yellow Liquid to Waxy Solid
Storage Temperature:	72 °F – 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 personnel must read and become familiar with safety/handling information. For more information, contact your Northstar Polymers representative or call our corporate headquarters in Minneapolis MN.

Notice: All of the statements, recommendations, suggestions, and data concerning the subject material are based on our laboratory results, and although we believe the same to be reliable, we expressly do not represent, warrant, or guarantee the accuracy, completeness, or reliability of same, or the material or the results to be obtained from the use thereof, neither do we warrant that any such use, either alone or in combination with other materials, shall be free of the rightful claim of any third party by way of INFRINGEMENT or the like, and NORTHSTAR POLYMERS DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE.

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