



# Prepolymer

## MSA-052

MSA-052 is a polyester based MDI prepolymer used in exclusive polyurethane casting resin formulations by Northstar Polymers; it can also be used in many other custom applications. MSA-052 makes Shore Durometer 90A hardness non-foam high-performance elastomer when cured with 1,4 butanediol, and it can also be compounded with many other types of curing agents. MSA-052 is extended by polyester polyol, which has a good affinity with many polar raw materials. The MDI functionality of MSA-052 is 2.15, which helps polyurethane molding compound creating good green strength for fast demolding time.

### Typical Physical Properties

Specific Gravity:	1.181
Viscosity 180 °F (cps):	600
% NCO:	8.15
Amine Equivalents:	516
Appearance at 77 °F:	Pale yellow, waxy solid
Storage Temperature:	72 °F - 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 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.

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