

## Northstar Polymers MPP-A50A High Performance Polyether

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Liquid

### Material Notes:

This high performance polyether system is one of a family of polymer systems developed by Northstar Polymers for specific demanding work environments. Urethane elastomers molded with this system exhibit fine resolution of mold details, good performance in wet environments and good resistance to ultraviolet light. This combination of features makes elastomers molded from MPP-A50A perfect for applications including patterns designed to transfer an image to wet surfaces including concrete and many custom applications. Information provided by Northstar Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Northstar-Polymers-MPP-A50A-High-Performance-Polyether.php](http://www.lookpolymers.com/polymer_Northstar-Polymers-MPP-A50A-High-Performance-Polyether.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	ASTM D2240
Tensile Strength	2.14 MPa	311 psi	ASTM D412
Elongation at Break	158 %	158 %	ASTM D412
100% Modulus	0.00145 GPa	0.211 ksi	ASTM D412
Tear Strength	1.21 kN/m	6.90 pli	Split; ASTM D624
	11.7 kN/m	67.0 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	5.4	5.4	ASTM D4060

Processing Properties	Metric	English	Comments
Processing Temperature	21.1 - 32.2 °C	70.0 - 90.0 °F	Prepolymer Temperature
	21.1 - 32.2 °C	70.0 - 90.0 °F	Curing Agent Temperature
Mold Temperature	21.1 - 32.2 °C	70.0 - 90.0 °F	
Cure Time	120 - 180 min	2.00 - 3.00 hour	De-mold Time
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	1440 min	24.0 hour	Complete Cure Cycle
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	8.00 - 10.0 min	8.00 - 10.0 min	

Descriptive Properties	Value	Comments
Curing Agent	PBA-064	
Prepolymer		

Descriptive Properties	MPN-023 Value	Comments
Weight Ratio	1:2.799	Prepolymer to Curing Agent Ratio

## Contact Songhan Plastic Technology Co.,Ltd.

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