

Northstar Polymers MPP-A80E 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-A80E 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-A80E-High-Performance-Polyether.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength	7.674 MPa	1113 psi	ASTM D412
Elongation at Break	177 %	177 %	ASTM D412
100% Modulus	0.00526 GPa	0.763 ksi	ASTM D412
Rebound	32 %	32 %	Bashore Rebound; ASTM D2632
Tear Strength	4.38 kN/m	25.0 pli	Split; ASTM D624
	24.5 kN/m	140 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	28	28	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	300 - 360 min	5.00 - 6.00 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	10.0 - 15.0 min	10.0 - 15.0 min	

Descriptive Properties	Value	Comments
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Curing Agent

Descriptive Properties	PBA-031 Value	Comments
Prepolymer	MPN-023	
Weight Ratio	1:1.312	Prepolymer to Curing Agent Ratio

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