

Northstar Polymers MPP-A30A Polyether Prepolymer

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

Material Notes:

This room-temperature-curable 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-A30A perfect for applications including patterns designed to transfer an image to wet surfaces including concrete and many other custom applications. Information provided by Northstar Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Northstar-Polymers-MPP-A30A-Polyether-Prepolymer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	ASTM D2240
Tensile Strength	1.79 MPa	260 psi	ASTM D412
Elongation at Break	550 %	550 %	ASTM D412
Tear Strength	3.51 kN/m	20.0 pli	Split; ASTM D624
	7.01 kN/m	40.0 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	1880	1880	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	180 - 240 min	3.00 - 4.00 hour	De-mold Time
	@Temperature 93.3 °C	@Temperature 200 °F	
	960 min	16.0 hour	Complete Cure Cycle
	@Temperature 82.2 °C	@Temperature 180 °F	
Pot Life	10.0 - 15.0 min	10.0 - 15.0 min	

Descriptive Properties	Value	Comments
Curing Agent	PBA-044	
Prepolymer	MPN-055	
Weight Ratio		Prepolymer to Curing Agent Ratio

Descriptive Properties	Value	Comments
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