

Northstar Polymers MAP-R06C Semi Rigid Structural Foam Formulation

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Unreinforced

Material Notes:

MPP-R06C is a polyurethane foam formulation. It is closed-cell foam with a good structural integrity and an enhanced skin quality. Unlike polyurethane rigid foams, the physical properties of a cured product have slight flexibility so it resists cracking and chipping-off upon an impact. The application of this foam includes backing structure for flexible concrete molds, various molded light load-bearing parts, and other specialty applications. Information provided by Northstar Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Northstar-Polymers-MAP-R06C-Semi-Rigid-Structural-Foam-Formulation.php

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	37.8 - 48.9 °C	100 - 120 °F	
Cure Time	15.0 - 30.0 min	0.250 - 0.500 hour	De-mold Time
	@Temperature 43.3 °C	@Temperature 110 °F	
	1440 - 2880 min	24.0 - 48.0 hour	Complete Cure Cycle
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	0.500 - 0.670 min	0.500 - 0.670 min	

Descriptive Properties	Value	Comments
Curing Agent	APX-005	
Mixing Time	10-15	by hand
Prepolymer	MPN-023	
Weight Ratio	1:0.218	Prepolymer to Curing Agent Ratio

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