

Northstar Polymers MPS-M23B Room-Temperature Curable Microcellular Foam

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

Material Notes:

This foam polyurethane formulation is designed to yield closed-cell microcellular foam by either hand-mixing or machine casting method at room temperature. The components are liquid at room temperature. It is designed to be used in compression molding process with 10% or higher compression rate. For a small quantity, this can be batched manually by hand tools. This can also be cast with a multi-component meter-mixing/dispensing machine. The free-rise density of the foam is 23 pounds-per-cubic-foot. Information provided by Northstar Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Northstar-Polymers-MPS-M23B-Room-Temperature-Curable-Microcellular-Foam.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 min	0.250 hour	De-mold Time
	@Temperature 43.3 °C	@Temperature 110 °F	
	2880 min	48.0 hour	Complete Cure Cycle
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	0.750 min	0.750 min	

Descriptive Properties	Value	Comments
Curing Agent	PBD-025	
Mixing Time	10	minimum for mixing by hand
Prepolymer	MSA-018	
Weight Ratio	1:1.762	Prepolymer to Curing Agent Ratio

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