

Northstar Polymers MPP-F07A Easy Hand-Mixable/Pourable Flexible Foam

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

Material Notes:

This foam formulation is designed to make molded flexible foam parts/sheets/dies/blocks by hand-mixing with very basic tools such as a cup and stir stick. The components are low-viscosity stable liquid at room temperature. These properties are ideal in small scale productions for custom foam applications such as custom seating, padding, cushioning, many others. The free-rise density of the foam is 6 to 7 pounds per cubic foot. The cell structure is partially open-cell, and may be made to open-cell structure by physically crushing soon after foam is made. This is an MDI base water-blown polyether system, and it does not use auxiliary blowing agents Examples for Applications:

Molded Upholstery Parts Custom Seating, Padding, and Cushioning Parts Custom Packaging of Impact/Vibration-Sensitive Items

Prototyping Information provided by Northstar Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Northstar-Polymers-MPP-F07A-Easy-Hand-MixablePourable-Flexible-Foam.php

Physical Properties	Metric	English	Comments
Density	0.104 g/cc	0.00376 lb/in ³	Free Rise Density
	0.112 g/cc	0.00405 lb/in ³	Typical Compression Density

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	10 - 40	10 - 40	

Processing Properties	Metric	English	Comments
Processing Temperature	21.1 - 29.4 °C	70.0 - 85.0 °F	Prepolymer Temperature
	21.1 - 29.4 °C	70.0 - 85.0 °F	Curing Agent Temperature
Mold Temperature	21.1 - 29.4 °C	70.0 - 85.0 °F	
Cure Time	60.0 - 120 min @Temperature 25.0 °C	1.00 - 2.00 hour @Temperature 77.0 °F	De-mold Time
	2880 min @Temperature 25.0 °C	48.0 hour @Temperature 77.0 °F	Complete Cure Cycle
Pot Life	1.00 - 1.33 min	1.00 - 1.33 min	

Descriptive Properties	Value	Comments
Appearance at 25°C	Off-White	
Curing Agent	PPC-026	
Prepolymer	MPB-028	

Descriptive Properties	Value	Comments
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