

Northstar Polymers MSN-V40A Polyester Base Low-Rebound Impact/Vibration Dampening Gel

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

Material Notes:

This polyurethane casting material is developed for applications that require Shore OO 40 range casting material with vibration dampening property and higher strength than standard polyurethane gel material. The low tack surface of this material is also useful for application that does not use film/fabric encapsulation. At the elevated temperature, the component materials have lower viscosity for better flow in the mold for good resolution to reproduce fine mold surface or making thinner film/sheet material. Processing this material requires elevated temperature process and constant agitation of part-B component. This material contains plasticizer. Plasticizer in general leaches out in a long term use of the product. This material is not recommended for applications that require cast-in encapsulation into plastic film material. Information provided by Northstar Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Northstar-Polymers-MSN-V40A-Polyester-Base-Low-Rebound-ImpactVibration-Dampening-Gel.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	40	40	

Processing Properties	Metric	English	Comments
Processing Temperature	21.1 - 32.2 °C	70.0 - 90.0 °F	Prepolymer Temperature
	71.1 - 76.7 °C	160 - 170 °F	Curing Agent Temperature
Mold Temperature	82.2 °C	180 °F	
Cure Time	90.0 min	1.50 hour	De-mold Time
	@Temperature 82.2 °C	@Temperature 180 °F	
	480 - 960 min	8.00 - 16.0 hour	Complete Cure Cycle
	@Temperature 71.1 - 82.2 °C	@Temperature 160 - 180 °F	
Pot Life	7.00 - 9.00 min	7.00 - 9.00 min	

Descriptive Properties	Value	Comments
Curing Agent	SBX-146	
Prepolymer	MSA-018	
Weight Ratio	1:8.363	Prepolymer to Curing Agent Ratio

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