

## Northstar Polymers MCP-V40A Polyurethane Gel

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

### Material Notes:

MCP-V40A is a polyurethane gel formulation specifically designed for padding and cushioning applications, where low rebound property of the material is critical. This viscoelastic polymer is a two-component urethane casting system, which can easily be processed to make variety of products in various vibration-dampening, shock absorbing, and cushioning applications. The impact absorption property can be indicated by rebound property of the material. The test data on standard polyurethane gel formulation MPP-V37A is there to show the enhanced low-rebound property of MCP-V40A. Polyurethane gel class polymers in general are made in such way that user can easily control the hardness of the product by simply changing the mixing ratio of the same combination of two component materials. This means MCP-V40A and other polyurethane gel systems can be used in a range of various applications, which require different hardness. Information provided by Northstar Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Northstar-Polymers-MCP-V40A-Polyurethane-Gel.php](http://www.lookpolymers.com/polymer_Northstar-Polymers-MCP-V40A-Polyurethane-Gel.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	21.1 - 32.2 °C	70.0 - 90.0 °F	
Cure Time	180 - 360 min	3.00 - 6.00 hour	De-mold Time
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	4320 - 7200 min	72.0 - 120 hour	Complete Cure Cycle
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	15.0 - 20.0 min	15.0 - 20.0 min	

Descriptive Properties	Value	Comments
Curing Agent	CPB-046	
Prepolymer	MPC-023	
Weight Ratio	1:2.25	Prepolymer to Curing Agent Ratio

## Contact Songhan Plastic Technology Co.,Ltd.

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