

Northstar Polymers MYP-V40A Polyurethane Filler Gel

Category : Polymer , Renewable/Recycled Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced

Material Notes:

This polyurethane casting material is developed for applications that require inexpensive liquid resin filler such as encapsulation of a large electric components or puncture-free tire for low-speed wheels such as of wheel barrows and bicycles. This is a two-part system with a long pot-life. Once you mix part-A and part-B component, it will stay liquid over one hour at room temperature. The material cures to gel consistency in about 4 to 5 hours. The material can be used in service in between overnight and 3 days depending on the physical demand. Because of the long pot life, the required can be mixed in a mixing container then transferred into a low-pressure injection system to inject it into the filling space, such as a tire, from a narrow entrance. This material is made from bio-base components. About 60% of the material is consisted of soybean oil base chemical. There is an odor associated with the soybean oil based chemical. It is unsuitable for applications this odor will be a problem. Because it is largely consisted of vegetable oil based material, the material is hydrophobic and it prevents entry of moisture after it is cured. The material is mechanically weak; the cured gel consistency resembles that of "Finger Jell-O". It can be easily torn by hands. It is ideal for an application to encapsulate an electric component, which requires re-entry for repair or maintenance. If it is used in mechanically demanding application, such as tire-filling, the material needs to be encapsulated in a strong outer structure. The cured hardness is Shore Durometer OO 42. Information provided by Northstar Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Northstar-Polymers-MYP-V40A-Polyurethane-Filler-Gel.php

Processing Properties	Metric	English	Comments
Processing Temperature	20.0 - 30.0 °C	68.0 - 86.0 °F	Prepolymer Temperature
	20.0 - 30.0 °C	68.0 - 86.0 °F	Curing Agent Temperature
Mold Temperature	20.0 - 30.0 °C	68.0 - 86.0 °F	
Cure Time	240 - 300 min	4.00 - 5.00 hour	De-mold Time
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	1440 - 4320 min	24.0 - 72.0 hour	Complete Cure Cycle
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	60.0 - 90.0 min	60.0 - 90.0 min	

Descriptive Properties	Value	Comments
Curing Agent	YPX-164	
Prepolymer	MNA-013	
Weight Ratio	1:15.724	Prepolymer to Curing Agent Ratio

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China