

Northstar Polymers GK-7 Low Viscosity Polyurethane Gel Cast

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

Material Notes:

This material is formulated for production of thin polyurethane gel film or parts. The low viscosity property of the mixed component enables the user to cast this into a thin layer without entrapping a significant amount of air. This product can be cast in between films, molded in vertical mold, or cast on an open surface to make thin gel sheets. It is room-temperature-cure liquid castable system that can be processed without use of heat. The suitable applications include custom gel sheets, tack pads, vibration dampening parts, and encapsulation of electric components. It is also suitable for many other custom applications where flexibility and some strength of the gel sheets or parts are required. This material is not suitable for pouch filling application. Information provided by Northstar Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Northstar-Polymers-GK-7-Low-Viscosity-Polyurethane-Gel-Cast.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	480 min	8.00 hour	De-mold Time
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	4320 - 5760 min	72.0 - 96.0 hour	Complete Cure Cycle
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	8.00 - 10.0 min	8.00 - 10.0 min	

Descriptive Properties	Value	Comments
Curing Agent	PNC-153	
Prepolymer	MPG-023	
Weight Ratio	1:9.216	Prepolymer to Curing Agent Ratio

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