

Northstar Polymers MSS-A85C Ester Base Polyurethane

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Liquid

Material Notes:

This high performance polyester system is one of a family of polymer systems developed by Northstar Polymers for demanding work environments. Urethane elastomers molded with this system exhibit high tear strength, high tensile elongation, excellent oil resistance, and outstanding abrasion resistance. They also meet the requirements of 21 CFR 177.1680, FDA direct dry food contact. This combination of features makes elastomers molded from MSS-A85C perfect for many applications including the handling of wood chips, grain, sand, gravel and other commodities, mining, and many custom applications. For long-term use in constant aqueous environments, consider a polyether or hybrid product system. Information provided by Northstar Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Northstar-Polymers-MSS-A85C-Ester-Base-Polyurethane.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	ASTM D2240
Tensile Strength	40.0 MPa	5800 psi	ASTM D412
Elongation at Break	725 %	725 %	ASTM D412
Tear Strength	78.9 kN/m	450 pli	Split; ASTM D624
	127 kN/m	725 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	22	22	ASTM D4060

Processing Properties	Metric	English	Comments
Processing Temperature	25.0 °C	77.0 °F	Curing Agent Temperature
	82.2 - 93.3 °C	180 - 200 °F	Prepolymer Temperature
Mold Temperature	82.2 - 93.3 °C	180 - 200 °F	
Cure Time	30.0 min	0.500 hour	De-mold Time
	@Temperature 93.3 °C	@Temperature 200 °F	
	960 min	16.0 hour	Complete Cure Cycle
	@Temperature 82.2 °C	@Temperature 180 °F	
Pot Life	2.50 - 3.00 min	2.50 - 3.00 min	

Descriptive Properties	Value	Comments
Curing Agent	BNA-005	
Prepolymer	MSA-063	

Descriptive Properties	Value	Comments
------------------------	-------	----------

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