

TSE Industries Millathane® HT High Temperature-Resistant Millable Polyester Polyurethane, 285°F Cure Temperature

Category : Polymer , Thermoset , Polyester, TS , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

Material Notes:

MILLATHANE HT is a polyester millable polyurethane which has the ability to withstand elevated temperatures. Polyurethanes have been known for their excellent resistance to abrasion, impact, tear strength, oil and fuel resistance, and ozone resistance. The life expectancy of urethane is often 5 times longer than other elastomers, thus saving material costs and downtime expense. One shortcoming of polyurethanes is loss of physical properties at temperatures over 180°F (82°C). MILLATHANE HT has overcome this weakness. Formulation Millathane HT 100.0 Zinc Stearate 0.5 MBTS 4.0 MBT 2.0 N-330 Black 20.0 Sulfur 1.5 THANECURE® ZM1.0 All information provided by TSE Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-HT-High-Temperature-Resistant-Millable-Polyester-Polyurethane-285F-Cure-Temperature.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	62	62	
Tensile Strength, Yield	31.64 MPa	4589 psi	
Elongation at Yield	447 %	447 %	
100% Modulus	0.00314 GPa	0.455 ksi	
200% Modulus	0.008260 GPa	1.198 ksi	
300% Modulus	0.01548 GPa	2.245 ksi	
Tear Strength	42.0 kN/m	240 pli	Die C

Processing Properties	Metric	English	Comments
Cure Time	40.0 min	0.667 hour	
	@Temperature 141 °C	@Temperature 285 °F	

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