

TSE Industries Millathane® HT High Temperature-Resistant Millable Polyester Polyurethane with DOP Plasticizer

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 THANE CURE® ZM1.0 Sulfur 1.5 N-330 Black 20.0 DOP 15.0 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-with-DOP-Plasticizer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	53	53	
Tensile Strength, Yield	25.77 MPa	3738 psi	
Elongation at Yield	557 %	557 %	
100% Modulus	0.00161 GPa	0.234 ksi	
200% Modulus	0.00392 GPa	0.569 ksi	
300% Modulus	0.007839 GPa	1.137 ksi	
Tear Strength	42.4 kN/m	242 pli	Die C

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-56.0 °C	-68.8 °F	

Processing Properties	Metric	English	Comments
Cure Time	27.0 min @Temperature 154 °C	0.450 hour @Temperature 310 °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