

## TSE Industries Millathane® HT High Temperature-Resistant Millable Polyester Polyurethane with TP-759 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 HT100.0Zinc Stearate0.5MBTS4.0MBT2.0THANECURE® ZM1.0Sulfur1.5N-330 Black20.0TP-75915.0All 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-TP-759-Plasticizer.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-HT-High-Temperature-Resistant-Millable-Polyester-Polyurethane-with-TP-759-Plasticizer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	51	51	
Tensile Strength, Yield	24.21 MPa	3511 psi	
Elongation at Yield	573 %	573 %	
100% Modulus	0.00150 GPa	0.218 ksi	
200% Modulus	0.00382 GPa	0.554 ksi	
300% Modulus	0.007743 GPa	1.123 ksi	
Tear Strength	35.5 kN/m	203 pli	Die C

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-60.0 °C	-76.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	25.0 min @Temperature 154 °C	0.417 hour @Temperature 310 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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