

## TSE Industries Millathane® HT High Temperature-Resistant Millable Polyester Polyurethane with Sundex 790 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 THANECURE® ZM1.0 Sulfur 1.5 N-330 Black 20.0 Sundex 790 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-Sundex-790-Plasticizer.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-HT-High-Temperature-Resistant-Millable-Polyester-Polyurethane-with-Sundex-790-Plasticizer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	
Tensile Strength, Yield	30.36 MPa	4404 psi	
Elongation at Yield	540 %	540 %	
100% Modulus	0.00203 GPa	0.295 ksi	
200% Modulus	0.00501 GPa	0.727 ksi	
300% Modulus	0.009818 GPa	1.424 ksi	
Tear Strength	45.7 kN/m	261 pli	Die C

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-53.0 °C	-63.4 °F	

Processing Properties	Metric	English	Comments
Cure Time	20.0 min @Temperature 154 °C	0.333 hour @Temperature 310 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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