

## TSE Industries Millathane® HT High Temperature-Resistant Millable Polyester Polyurethane with 60 PHR Laminar Filler

**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 Laminar 60 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-60-PHR-Laminar-Filler.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-HT-High-Temperature-Resistant-Millable-Polyester-Polyurethane-with-60-PHR-Laminar-Filler.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	62	62	
Tensile Strength, Yield	14.01 MPa	2032 psi	
Elongation at Yield	479 %	479 %	
100% Modulus	0.00267 GPa	0.387 ksi	
200% Modulus	0.00395 GPa	0.573 ksi	
300% Modulus	0.00530 GPa	0.769 ksi	
Tear Strength	30.6 kN/m	175 pli	Die C
Compression Set	52 % @Temperature 70.0 °C, Time 79200 sec	52 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	26.0 min @Temperature 154 °C	0.433 hour @Temperature 310 °F	Press cured

## Contact Songhan Plastic Technology Co.,Ltd.

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