

## TSE Industries Millathane® HT High Temperature-Resistant Millable Polyester Polyurethane, Over-Cured

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-Over-Cured.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-HT-High-Temperature-Resistant-Millable-Polyester-Polyurethane-Over-Cured.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	57	57	
Tensile Strength, Yield	24.48 MPa	3551 psi	
Elongation at Yield	446 %	446 %	
100% Modulus	0.00239 GPa	0.346 ksi	
200% Modulus	0.00663 GPa	0.962 ksi	
300% Modulus	0.01304 GPa	1.892 ksi	
Tear Strength	38.3 kN/m	219 pli	Die C

Processing Properties	Metric	English	Comments
Cure Time	39.0 min	0.650 hour	
	@Temperature 166 °C	@Temperature 330 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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