

## TSE Industries Millathane® HT High Temperature-Resistant Millable Polyester Polyurethane with 30 PHR N990 (MT) 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 THANE CURE® ZM1.0 Sulfur 1.5 N990 (MT) 30 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-30-PHR-N990-MT-Filler.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-HT-High-Temperature-Resistant-Millable-Polyester-Polyurethane-with-30-PHR-N990-MT-Filler.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	57	57	
Tensile Strength, Yield	20.98 MPa	3043 psi	
Elongation at Yield	537 %	537 %	
100% Modulus	0.00145 GPa	0.210 ksi	
200% Modulus	0.00412 GPa	0.598 ksi	
300% Modulus	0.008811 GPa	1.278 ksi	
Tear Strength	32.6 kN/m	186 pli	Die C
Taber Abrasion, mg/1000 Cycles	0.14	0.14	H-18, mg loss/rev
Compression Set	57 % @Temperature 70.0 °C, Time 79200 sec	57 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	20.0 min @Temperature 149 °C	0.333 hour @Temperature 300 °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**