

## TSE Industries Millathane® HT High Temperature-Resistant Millable Polyester Polyurethane, Hardness 91A

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. Non-Black with Sulfur Cure System Formulation Millathane HT100.0Hi-Sil 243 LD60.0MBTS4.0MBT2.0Zinc Stearate0.5THANECURE® ZM1.0Sulfur1.5All 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-Hardness-91A.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-HT-High-Temperature-Resistant-Millable-Polyester-Polyurethane-Hardness-91A.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	91	91	
Tensile Strength, Yield	22.15 MPa	3213 psi	
Elongation at Yield	427 %	427 %	
100% Modulus	0.00604 GPa	0.876 ksi	
200% Modulus	0.01116 GPa	1.618 ksi	
300% Modulus	0.01606 GPa	2.329 ksi	
Tear Strength	70.5 kN/m	402 pli	Die C

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 154 °C	@Temperature 310 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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