

TSE Industries Millathane® HT High Temperature-Resistant Millable Polyester Polyurethane, Hardness 52A

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. Carbon Black with Peroxide Cure System Formulation Millathane HT100.0N-330 Black20.0Di-Cup 40C1.0 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-Hardness-52A.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	52	52	
Tensile Strength, Yield	21.29 MPa	3088 psi	
Elongation at Yield	493 %	493 %	
100% Modulus	0.00138 GPa	0.200 ksi	
200% Modulus	0.00344 GPa	0.499 ksi	
300% Modulus	0.007846 GPa	1.138 ksi	
Tear Strength	31.0 kN/m	177 pli	Die C

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	
	@Temperature 171 °C	@Temperature 340 °F	

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