

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 5.0 PHR MBTS

Category : Polymer , Thermoset , Polyester, TS , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Millathane® 76 is a very suitable choice for use in products such as bushings, small copier rolls; automotive applications – bumpers, o-rings, hydraulic seals, belts, gaskets, solid tires – and many other high performance polyurethane applications. Millathane 76 can be vulcanized by sulfur or peroxide cured systems. The combination of thiazole accelerators, MBTS and MBT, enable the best possible cure for Millathane® 76. An increase in MBTS results in a higher state of cure and increased processing safety. An increase in MBT decreases scorch time and increases the state of cure. All information provided by TSE Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-76-Millable-Polyester-Polyurethane-Rubber-50-PHR-MBTS.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69	69	
Tensile Strength, Yield	31.0 MPa	4490 psi	
Elongation at Yield	520 %	520 %	
100% Modulus	0.00393 GPa	0.570 ksi	
200% Modulus	0.00903 GPa	1.31 ksi	
300% Modulus	0.0158 GPa	2.29 ksi	
Tear Strength	63.0 kN/m	359 pli	Die C
Compression Set	30 % @Temperature 70.0 °C, Time 79200 sec	30 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	3.80 min @Temperature 155 °C	0.0633 hour @Temperature 311 °F	ts2
	9.60 min @Temperature 155 °C	0.160 hour @Temperature 311 °F	TC90

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