

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 4.0 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-40-PHR-MBTS.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	
Tensile Strength, Yield	34.9 MPa	5060 psi	
Elongation at Yield	590 %	590 %	
100% Modulus	0.00365 GPa	0.530 ksi	
200% Modulus	0.00841 GPa	1.22 ksi	
300% Modulus	0.0148 GPa	2.15 ksi	
Tear Strength	66.5 kN/m	379 pli	Die C
Compression Set	32.5 % @Temperature 70.0 °C, Time 79200 sec	32.5 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	3.50 min @Temperature 155 °C	0.0583 hour @Temperature 311 °F	ts2
	8.20 min @Temperature 155 °C	0.137 hour @Temperature 311 °F	TC90

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