

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 60 PHR Non-Black, Oyster Shell Calcium Carbonate

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. Formulation Millathane 76 100.0 Zinc Stearate 0.5 Poly AC 617A 1.0 MBTS 4.0 MBT 2.0 Thanecure® ZM1.0 TP-95 10.0 Sulfur 2.0 Oyster Shell Calcium Carbonate 60 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-60-PHR-Non-Black-Oyster-Shell-Calcium-Carbonate.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	
Tensile Strength, Yield	18.62 MPa	2701 psi	
Elongation at Yield	668 %	668 %	
100% Modulus	0.00188 GPa	0.272 ksi	
200% Modulus	0.00270 GPa	0.391 ksi	
300% Modulus	0.00369 GPa	0.535 ksi	
Tear Strength	41.2 kN/m	235 pli	
Taber Abrasion, mg/1000 Cycles	32 @Load 1.00 kg	32 @Load 2.20 lb	H-18 wheel
Compression Set	77.6 % @Temperature 70.0 °C, Time 79200 sec	77.6 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	11.0 min @Temperature 154 °C	0.183 hour @Temperature 309 °F	

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