

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 60 PHR Non-Black, Aerosil 200

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 617A1.0 MBTS 4.0 MBT 2.0 Thanecure® ZM1.0 TP-95 10.0 Sulfur 2.0 Aerosil 200 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-Aerosil-200.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	
Tensile Strength, Yield	25.0 MPa	3630 psi	
Elongation at Yield	683 %	683 %	
100% Modulus	0.00229 GPa	0.332 ksi	
200% Modulus	0.00442 GPa	0.641 ksi	
300% Modulus	0.007460 GPa	1.082 ksi	
Tear Strength	85.5 kN/m	488 pli	
Taber Abrasion, mg/1000 Cycles	18 @Load 1.00 kg	18 @Load 2.20 lb	H-18 wheel
Compression Set	59.9 % @Temperature 70.0 °C, Time 79200 sec	59.9 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min @Temperature 155 °C	0.167 hour @Temperature 311 °F	

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