

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 40 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-9510.0 Sulfur 2.0 Aerosil 200 40 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-Non-Black-Aerosil-200.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	
Tensile Strength, Yield	30.54 MPa	4429 psi	
Elongation at Yield	722 %	722 %	
100% Modulus	0.00148 GPa	0.214 ksi	
200% Modulus	0.00250 GPa	0.363 ksi	
300% Modulus	0.00423 GPa	0.613 ksi	
Tear Strength	52.4 kN/m	299 pli	
Taber Abrasion, mg/1000 Cycles	12 @Load 1.00 kg	12 @Load 2.20 lb	H-18 wheel
Compression Set	55.6 % @Temperature 70.0 °C, Time 79200 sec	55.6 % @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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