

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 40 PHR Carbon Black, N-990 (MT)

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 76 100.0Zinc Stearate0.5Poly AC 617A1.0TP-9510.0Thanecure® ZM1.0MBTS4.0MBT2.0Sulfur1.5N-99040All 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-Carbon-Black-N-990-MT.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	
Tensile Strength, Yield	20.90 MPa	3032 psi	
Elongation at Yield	629 %	629 %	
100% Modulus	0.00214 GPa	0.310 ksi	
200% Modulus	0.00441 GPa	0.639 ksi	
300% Modulus	0.007894 GPa	1.145 ksi	
Tear Strength	54.1 kN/m	309 pli	
Taber Abrasion, mg/1000 Cycles	8.0 @Load 1.00 kg	8.0 @Load 2.20 lb	H-18 wheel
Compression Set	53.9 % @Temperature 70.0 °C, Time 79200 sec	53.9 % @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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