

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 60 PHR Carbon Black, N-550 (FEF)

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 TP-9510.0 Thanecure® ZM1.0 MBTS 4.0 MBT 2.0 Sulfur 1.5 N-550 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-Carbon-Black-N-550-FEF.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	
Tensile Strength, Yield	21.15 MPa	3067 psi	
Elongation at Yield	331 %	331 %	
100% Modulus	0.01097 GPa	1.591 ksi	
200% Modulus	0.01789 GPa	2.595 ksi	
300% Modulus	0.02056 GPa	2.982 ksi	
Tear Strength	66.0 kN/m	377 pli	
Taber Abrasion, mg/1000 Cycles	7.0 @Load 1.00 kg	7.0 @Load 2.20 lb	H-18 wheel
Compression Set	46.7 % @Temperature 70.0 °C, Time 79200 sec	46.7 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min @Temperature 154 °C	0.167 hour @Temperature 309 °F	

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