

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 20 PHR Carbon Black, N-774 (SRF)

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-77420All 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-20-PHR-Carbon-Black-N-774-SRF.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66	66	
Tensile Strength, Yield	23.95 MPa	3473 psi	
Elongation at Yield	677 %	677 %	
100% Modulus	0.00181 GPa	0.263 ksi	
200% Modulus	0.00359 GPa	0.521 ksi	
300% Modulus	0.00683 GPa	0.991 ksi	
Tear Strength	54.7 kN/m	312 pli	
Taber Abrasion, mg/1000 Cycles	8.0 @Load 1.00 kg	8.0 @Load 2.20 lb	H-18 wheel
Compression Set	49.9 % @Temperature 70.0 °C, Time 79200 sec	49.9 % @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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