

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 20 PHR Carbon Black, N-330 (HAF)

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-33020All 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-330-HAF.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	
Tensile Strength, Yield	27.64 MPa	4009 psi	
Elongation at Yield	590 %	590 %	
100% Modulus	0.00330 GPa	0.478 ksi	
200% Modulus	0.00634 GPa	0.920 ksi	
300% Modulus	0.01047 GPa	1.519 ksi	
Tear Strength	61.5 kN/m	351 pli	
Taber Abrasion, mg/1000 Cycles	6.0 @Load 1.00 kg	6.0 @Load 2.20 lb	H-18 wheel
Compression Set	42.3 % @Temperature 70.0 °C, Time 79200 sec	42.3 % @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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