

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 20 PHR Carbon Black, N-220 (ISAF)

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-220 20 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-20-PHR-Carbon-Black-N-220-ISAF.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	
Tensile Strength, Yield	32.50 MPa	4714 psi	
Elongation at Yield	620 %	620 %	
100% Modulus	0.00243 GPa	0.352 ksi	
200% Modulus	0.00510 GPa	0.740 ksi	
300% Modulus	0.009039 GPa	1.311 ksi	
Tear Strength	64.4 kN/m	367 pli	
Taber Abrasion, mg/1000 Cycles	6.5 @Load 1.00 kg	6.5 @Load 2.20 lb	H-18 wheel
Compression Set	42.5 % @Temperature 70.0 °C, Time 79200 sec	42.5 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	15.0 min @Temperature 154 °C	0.250 hour @Temperature 309 °F	

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