

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 40 PHR Non-Black, Hi-Sil 233

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 617A1.0 MBTS 4.0 MBT 2.0 Thanecure® ZM1.0 TP-9510.0 Sulfur 2.0 Hi-Sil 233 40 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-40-PHR-Non-Black-Hi-Sil-233.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63	63	
Tensile Strength, Yield	20.47 MPa	2969 psi	
Elongation at Yield	720 %	720 %	
100% Modulus	0.00157 GPa	0.227 ksi	
200% Modulus	0.00288 GPa	0.417 ksi	
300% Modulus	0.00463 GPa	0.671 ksi	
Tear Strength	57.8 kN/m	330 pli	
Taber Abrasion, mg/1000 Cycles	19 @Load 1.00 kg	19 @Load 2.20 lb	H-18 wheel
Compression Set	82.6 % @Temperature 70.0 °C, Time 79200 sec	82.6 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	25.0 min @Temperature 149 °C	0.417 hour @Temperature 300 °F	

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