

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 60 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 617A 1.0 MBTS 4.0 MBT 2.0 Thanacure® ZM1.0 TP-95 10.0 Sulfur 2.0 Hi-Sil 233 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-Non-Black-Hi-Sil-233.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	
Tensile Strength, Yield	13.4 MPa	1950 psi	
Elongation at Yield	640 %	640 %	
100% Modulus	0.00221 GPa	0.321 ksi	
200% Modulus	0.00357 GPa	0.518 ksi	
300% Modulus	0.00525 GPa	0.762 ksi	
Tear Strength	59.5 kN/m	340 pli	
Taber Abrasion, mg/1000 Cycles	23 @Load 1.00 kg	23 @Load 2.20 lb	H-18 wheel
Compression Set	91 % @Temperature 70.0 °C, Time 79200 sec	91 % @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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