

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 60 PHR Non-Black, Soft Clay

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 Thanecure® ZM1.0 TP-95 10.0 Sulfur 2.0 Soft Clay 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-Soft-Clay.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	
Tensile Strength, Yield	21.35 MPa	3097 psi	
Elongation at Yield	585 %	585 %	
100% Modulus	0.00249 GPa	0.361 ksi	
200% Modulus	0.00445 GPa	0.646 ksi	
300% Modulus	0.00654 GPa	0.949 ksi	
Tear Strength	49.7 kN/m	284 pli	
Taber Abrasion, mg/1000 Cycles	30 @Load 1.00 kg	30 @Load 2.20 lb	H-18 wheel
Compression Set	47.1 % @Temperature 70.0 °C, Time 79200 sec	47.1 % @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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