

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 60 PHR Non-Black, Precipitated Calcium Carbonate

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 Precipitated Calcium Carbonate 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-Precipitated-Calcium-Carbonate.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	
Tensile Strength, Yield	20.12 MPa	2918 psi	
Elongation at Yield	721 %	721 %	
100% Modulus	0.00157 GPa	0.228 ksi	
200% Modulus	0.00197 GPa	0.285 ksi	
300% Modulus	0.00255 GPa	0.370 ksi	
Tear Strength	21.9 kN/m	125 pli	
Taber Abrasion, mg/1000 Cycles	41	41	H-18 wheel
	@Load 1.00 kg	@Load 2.20 lb	
Compression Set	52.7 %	52.7 %	
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	
	@Temperature 155 °C	@Temperature 311 °F	

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