

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 40 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 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-Precipitated-Calcium-Carbonate.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	
Tensile Strength, Yield	24.32 MPa	3528 psi	
Elongation at Yield	695 %	695 %	
100% Modulus	0.00131 GPa	0.190 ksi	
200% Modulus	0.00173 GPa	0.251 ksi	
300% Modulus	0.00253 GPa	0.367 ksi	
Tear Strength	29.4 kN/m	168 pli	
Taber Abrasion, mg/1000 Cycles	35	35	H-18 wheel
	@Load 1.00 kg	@Load 2.20 lb	
Compression Set	49.5 %	49.5 %	
	@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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