

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 40 PHR Non-Black, Oyster Shell 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 Oyster Shell 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-Oyster-Shell-Calcium-Carbonate.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	
Tensile Strength, Yield	24.40 MPa	3539 psi	
Elongation at Yield	687 %	687 %	
100% Modulus	0.00165 GPa	0.239 ksi	
200% Modulus	0.00250 GPa	0.362 ksi	
300% Modulus	0.00355 GPa	0.515 ksi	
Tear Strength	38.5 kN/m	220 pli	
Taber Abrasion, mg/1000 Cycles	19	19	H-18 wheel
	@Load 1.00 kg	@Load 2.20 lb	
Compression Set	66.8 %	66.8 %	
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	11.0 min	0.183 hour	
	@Temperature 154 °C	@Temperature 309 °F	

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