

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 20 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 20 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-20-PHR-Non-Black-Oyster-Shell-Calcium-Carbonate.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	
Tensile Strength, Yield	27.5 MPa	3990 psi	
Elongation at Yield	707 %	707 %	
100% Modulus	0.00125 GPa	0.181 ksi	
200% Modulus	0.00197 GPa	0.285 ksi	
300% Modulus	0.00289 GPa	0.419 ksi	
Tear Strength	36.6 kN/m	209 pli	
Taber Abrasion, mg/1000 Cycles	11	11	H-18 wheel
	@Load 1.00 kg	@Load 2.20 lb	
Compression Set	51.2 %	51.2 %	
	@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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