

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 20 PHR Non-Black, Hi-Sil 233

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-95 10.0 Sulfur 2.0 Hi-Sil 233 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-Hi-Sil-233.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	
Tensile Strength, Yield	26.1 MPa	3780 psi	
Elongation at Yield	750 %	750 %	
100% Modulus	0.00119 GPa	0.172 ksi	
200% Modulus	0.00201 GPa	0.292 ksi	
300% Modulus	0.00327 GPa	0.474 ksi	
Tear Strength	4.30 kN/m	24.5 pli	
Taber Abrasion, mg/1000 Cycles	13	13	H-18 wheel
	@Load 1.00 kg	@Load 2.20 lb	
Compression Set	64.2 %	64.2 %	
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	25.0 min	0.417 hour	
	@Temperature 149 °C	@Temperature 300 °F	

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