

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 2.5 PHR Varox DBPH-50 Peroxide

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. Curing of Millathane®76 can easily be done with many types of peroxides. Millathane76 peroxide vulcanizates have superior compression set, greater heat stability, and are more resistant to reversion than sulfur cures. Formulation Varox DBPH-50 2.5 Millathane 76 100.0 Stearic Acid 0.25 Poly AC 617A0.5N-55035.0TP-953.0 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-25-PHR-Varox-DBPH-50-Peroxide.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66	66	
	70	70	heat aged 70 hours @ 100°C
Tensile Strength, Yield	24.14 MPa	3501 psi	
	27.11 MPa	3932 psi	heat aged 70 hours @ 100°C
Elongation at Yield	269 %	269 %	heat aged 70 hours @ 100°C
	289 %	289 %	
100% Modulus	0.00472 GPa	0.684 ksi	
200% Modulus	0.0155 GPa	2.25 ksi	
Tear Strength	51.0 kN/m	291 pli	Die C
	28.2 %	28.2 %	
Compression Set	@Temperature 100 °C, Time 79200 sec	@Temperature 212 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	7.00 min	0.117 hour	
	@Temperature 83.3 °C	@Temperature 182 °F	

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