

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 3.0 PHR Di-Cup 40C Peroxide, Hardness 66A

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 Di-Cup 40C 3.0 Millathane 76 100.0 Stearic Acid 0.25 Poly AC 617A 0.5N-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-30-PHR-Di-Cup-40C-Peroxide-Hardness-66A.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66	66	
	70	70	heat aged 70 hours @ 100°C
Tensile Strength, Yield	22.79 MPa	3305 psi	
	27.50 MPa	3989 psi	heat aged 70 hours @ 100°C
Elongation at Yield	256 %	256 %	heat aged 70 hours @ 100°C
	296 %	296 %	
100% Modulus	0.00405 GPa	0.587 ksi	
200% Modulus	0.01364 GPa	1.979 ksi	
Tear Strength	52.4 kN/m	299 pli	Die C
Compression Set	24 %	24 %	
	@Temperature 100 °C, Time 79200 sec	@Temperature 212 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	5.00 min	0.0833 hour	
	@Temperature 83.3 °C	@Temperature 182 °F	

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