

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 3.0 PHR Di-Cup 40C Peroxide, Hardness 65A

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. Millathane 76 peroxide vulcanizates have superior compression set, greater heat stability, and are more resistant to reversion than sulfur cures. Formulation Millathane 76 100.0 Stearic Acid 0.5N-220 Black 20.0 Di-Cup 40C 3.0 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-65A.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	
Tensile Strength, Yield	29.19 MPa	4234 psi	
Elongation at Yield	367 %	367 %	
100% Modulus	0.00279 GPa	0.405 ksi	
200% Modulus	0.009604 GPa	1.393 ksi	
300% Modulus	0.02099 GPa	3.045 ksi	
Tear Strength	58.3 kN/m	333 pli	Die C
Compression Set	22 % @Temperature 100 °C, Time 79200 sec	22 % @Temperature 212 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	15.0 min @Temperature 160 °C	0.250 hour @Temperature 320 °F	

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