

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 1.0 PHR Di-Cup 40C 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 Millathane 76 100.0Stearic Acid 0.5N-220 Black20.0Di-Cup 40C 1.0All 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-10-PHR-Di-Cup-40C-Peroxide.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	
Tensile Strength, Yield	22.14 MPa	3211 psi	
Elongation at Yield	659 %	659 %	
100% Modulus	0.00125 GPa	0.181 ksi	
200% Modulus	0.00224 GPa	0.325 ksi	
300% Modulus	0.00460 GPa	0.667 ksi	
Tear Strength	40.8 kN/m	233 pli	Die C
Compression Set	44 % @Temperature 100 °C, Time 79200 sec	44 % @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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