

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, Hardness 40A, Non-Black Sulfur Cure

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. Many applications exist for Millathane®76 compounds in a low durometer range from 25A to 40A. These include – printing rolls, copier rolls, can tester pads, spinner rings, belting, suction cups, vibration damping bumpers, and other specialized applications. The reason it's chosen for these low hardness applications – its excellent cut and tear strength, abrasion resistance, and overall toughness. Formulation Millathane 76 100.0AC Poly 617A2.0Akrofax 11LG2.5Cumar P-105.0TP-958.0Hi Sil 2335.5Red Oxide5.0Zinc Stearate0.5MBTS4.0MBT2.0Thanecure® ZM1.0Sulfur1.5All 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-Hardness-40A-Non-Black-Sulfur-Cure.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	
Tensile Strength, Yield	24.01 MPa	3482 psi	
Elongation at Yield	740 %	740 %	
100% Modulus	0.000779 GPa	0.113 ksi	
200% Modulus	0.00123 GPa	0.178 ksi	
300% Modulus	0.00177 GPa	0.257 ksi	
Tear Strength	27.0 kN/m	154 pli	Die C

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	
	@Temperature 149 °C	@Temperature 300 °F	

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