

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 1.25 PHR Zinc Stearate

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. Zinc stearate has replaced cadmium stearate due to toxicity concerns with cadmium compounds. Used as a coactivator with Thanecure® ZM it shortens cure times and improves compression set. Zinc stearate also functions as a process aid and release agent, and helps prevent sticking to mill or internal mixer surfaces. 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-125-PHR-Zinc-Stearate.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	
Tensile Strength, Yield	32.23 MPa	4675 psi	
Elongation at Yield	555 %	555 %	
100% Modulus	0.00362 GPa	0.525 ksi	
200% Modulus	0.008294 GPa	1.203 ksi	
300% Modulus	0.01444 GPa	2.094 ksi	
Tear Strength	65.5 kN/m	374 pli	Die C
Compression Set	29.6 % @Temperature 70.0 °C, Time 79200 sec	29.6 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	10.4 min @Temperature 155 °C	0.173 hour @Temperature 311 °F	TC90

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