

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 0.75 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-075-PHR-Zinc-Stearate.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	
Tensile Strength, Yield	32.62 MPa	4731 psi	
Elongation at Yield	559 %	559 %	
100% Modulus	0.00361 GPa	0.524 ksi	
200% Modulus	0.008143 GPa	1.181 ksi	
300% Modulus	0.01427 GPa	2.069 ksi	
Tear Strength	65.1 kN/m	371 pli	Die C
Compression Set	31.4 %	31.4 %	
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	8.00 min	0.133 hour	TC90
	@Temperature 155 °C	@Temperature 311 °F	

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