

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 0.0 PHR Thanecure ZM

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. Thanecure ZM is an activator for a sulfur cure of Millathane® millable polyurethanes consisting of a partial complex of zinc chloride and MBTS. 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-00-PHR-Thanecure-ZM.php

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---|--|----------|
| Hardness, Shore A | 64 | 64 | |
| Tensile Strength, Yield | 27.56 MPa | 3997 psi | |
| Elongation at Yield | 628 % | 628 % | |
| 100% Modulus | 0.00245 GPa | 0.356 ksi | |
| 200% Modulus | 0.00534 GPa | 0.774 ksi | |
| 300% Modulus | 0.009487 GPa | 1.376 ksi | |
| Tear Strength | 65.0 kN/m | 371 pli | Die C |
| Compression Set | 49.4 % @Temperature 70.0 °C, Time 79200 sec | 49.4 % @Temperature 158 °F, Time 22.0 hour | |

| Processing Properties | Metric | English | Comments |
|-----------------------|---------------------------------|-----------------------------------|----------|
| Cure Time | 34.2 min @Temperature 155 °C | 0.570 hour @Temperature 311 °F | TC90 |

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