

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 20 PHR Non-Black, Mistron Vapor

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. Formulation Millathane 76 100.0 Zinc Stearate 0.5 Poly AC 617A1.0 MBT 4.0 MBT 2.0 Thanecure® ZM1.0 TP-9510.0 Sulfur 2.0 Mistron Vapor 20 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-20-PHR-Non-Black-Mistron-Vapor.php

| Mechanical Properties | Metric | English | Comments |
|--------------------------------|---|--|------------|
| Hardness, Shore A | 53 | 53 | |
| Tensile Strength, Yield | 22.41 MPa | 3251 psi | |
| Elongation at Yield | 635 % | 635 % | |
| 100% Modulus | 0.00157 GPa | 0.228 ksi | |
| 200% Modulus | 0.00241 GPa | 0.349 ksi | |
| 300% Modulus | 0.00343 GPa | 0.498 ksi | |
| Tear Strength | 35.4 kN/m | 202 pli | |
| Taber Abrasion, mg/1000 Cycles | 14 @Load 1.00 kg | 14 @Load 2.20 lb | H-18 wheel |
| Compression Set | 53.7 % @Temperature 70.0 °C, Time 79200 sec | 53.7 % @Temperature 158 °F, Time 22.0 hour | |

| Processing Properties | Metric | English | Comments |
|-----------------------|---------------------------------|-----------------------------------|----------|
| Cure Time | 15.0 min @Temperature 155 °C | 0.250 hour @Temperature 311 °F | |

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