

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 60 PHR Non-Black, Translink 555

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 Translink 55560 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-60-PHR-Non-Black-Translink-555.php

| Mechanical Properties | Metric | English | Comments |
|--------------------------------|---|--|------------|
| Hardness, Shore A | 65 | 65 | |
| Tensile Strength, Yield | 19.06 MPa | 2765 psi | |
| Elongation at Yield | 450 % | 450 % | |
| 100% Modulus | 0.00399 GPa | 0.578 ksi | |
| 200% Modulus | 0.009701 GPa | 1.407 ksi | |
| 300% Modulus | 0.01449 GPa | 2.102 ksi | |
| Tear Strength | 61.8 kN/m | 353 pli | |
| Taber Abrasion, mg/1000 Cycles | 12 @Load 1.00 kg | 12 @Load 2.20 lb | H-18 wheel |
| Compression Set | 70.3 % @Temperature 70.0 °C, Time 79200 sec | 70.3 % @Temperature 158 °F, Time 22.0 hour | |

| Processing Properties | Metric | English | Comments |
|-----------------------|---------------------------------|-----------------------------------|----------|
| Cure Time | 11.0 min @Temperature 154 °C | 0.183 hour @Temperature 309 °F | |

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