

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, Hardness 90A, Non-Black Peroxide Cure

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 76 100.0Stearic Acid0.5Poly-AC 617A2.0Hi-Sil 23360.0SR-2977.5Di-Cup 40C3.0Diethyleneglycol1.0All 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-Hardness-90A-Non-Black-Peroxide-Cure.php

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--------------|-----------|----------|
| Hardness, Shore A | 90 | 90 | |
| Tensile Strength, Yield | 17.71 MPa | 2568 psi | |
| Elongation at Yield | 300 % | 300 % | |
| 100% Modulus | 0.007846 GPa | 1.138 ksi | |
| 200% Modulus | 0.01196 GPa | 1.735 ksi | |
| 300% Modulus | 0.01771 GPa | 2.568 ksi | |
| Tear Strength | 58.07 kN/m | 331.3 pli | Die C |

| Processing Properties | Metric | English | Comments |
|-----------------------|---------------------|---------------------|----------|
| Cure Time | 7.00 min | 0.117 hour | |
| | @Temperature 155 °C | @Temperature 311 °F | |

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