

## TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 20 PHR Carbon Black, N-990 (MT)

**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 617A 1.0 TP-9510.0 Thanecure® ZM1.0 MBTS 4.0 MBT 2.0 Sulfur 1.5 N-990 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-Carbon-Black-N-990-MT.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-76-Millable-Polyester-Polyurethane-Rubber-20-PHR-Carbon-Black-N-990-MT.php)

| Mechanical Properties          | Metric                                            | English                                          | Comments   |
|--------------------------------|---------------------------------------------------|--------------------------------------------------|------------|
| Hardness, Shore A              | 52                                                | 52                                               |            |
| Tensile Strength, Yield        | 23.37 MPa                                         | 3389 psi                                         |            |
| Elongation at Yield            | 710 %                                             | 710 %                                            |            |
| 100% Modulus                   | 0.00132 GPa                                       | 0.191 ksi                                        |            |
| 200% Modulus                   | 0.00235 GPa                                       | 0.341 ksi                                        |            |
| 300% Modulus                   | 0.00411 GPa                                       | 0.596 ksi                                        |            |
| Tear Strength                  | 45.0 kN/m                                         | 257 pli                                          |            |
| Taber Abrasion, mg/1000 Cycles | 7.0<br>@Load 1.00 kg                              | 7.0<br>@Load 2.20 lb                             | H-18 wheel |
| Compression Set                | 53.6 %<br>@Temperature 70.0 °C,<br>Time 79200 sec | 53.6 %<br>@Temperature 158 °F,<br>Time 22.0 hour |            |

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

## Contact Songhan Plastic Technology Co.,Ltd.

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