

## TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 60 PHR Carbon Black, N-220 (ISAF)

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 76 100.0Zinc Stearate0.5Poly AC 617A1.0TP-9510.0Thanecure® ZM1.0MBTS4.0MBT2.0Sulfur1.5N-22060All 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-Carbon-Black-N-220-ISAF.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-76-Millable-Polyester-Polyurethane-Rubber-60-PHR-Carbon-Black-N-220-ISAF.php)

| Mechanical Properties          | Metric  | English  | Comments   |
|--------------------------------|---|--|------------|
| Hardness, Shore A              | 88  | 88   |            |
| Tensile Strength, Yield        | 22.21 MPa   | 3222 psi   |            |
| Elongation at Yield            | 365 %   | 365 %  |            |
| 100% Modulus                   | 0.007660 GPa                                      | 1.111 ksi  |            |
| 200% Modulus                   | 0.01553 GPa                                       | 2.252 ksi  |            |
| 300% Modulus                   | 0.02028 GPa                                       | 2.941 ksi  |            |
| Tear Strength                  | 65.7 kN/m   | 375 pli  |            |
| Taber Abrasion, mg/1000 Cycles | 8.0<br>@Load 1.00 kg                              | 8.0<br>@Load 2.20 lb                             | H-18 wheel |
| Compression Set                | 47.9 %<br>@Temperature 70.0 °C,<br>Time 79200 sec | 47.9 %<br>@Temperature 158 °F,<br>Time 22.0 hour |            |

| Processing Properties | Metric                          | English                           | Comments |
|-----------------------|---------------------------------|-----------------------------------|----------|
| Cure Time             | 15.0 min<br>@Temperature 154 °C | 0.250 hour<br>@Temperature 309 °F |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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