

## TSE Industries Millathane® CM Millable Polyether Urethane Rubber with 120 PHR Mistron Vapor Filler

Category : Polymer , Thermoset , Polyester, TS , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

MILLATHANE CM is a sulfur and peroxide curable polyether urethane rubber. Its outstanding property is its great resistance to abrasion, which makes it of special interest for articles that are subjected to high wear in service. It has a unique combination of excellent properties, such as low temperature characteristics, and resistance to heat deterioration, ozone cracking, weathering and swelling in oils or solvents. Formulation Millathane CM 100.0 Mistron Vapor 120.0 Coumarone-Indene Resin 40.0 MBTS 4.0 MBT 1.0 Sulfur 0.75 CAYTUR 40.35 Zinc Stearate 0.50 All information provided by TSE Industries

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_TSE-Industries-Millathane-CM-Millable-Polyether-Urethane-Rubber-with-120-PHR-Mistron-Vapor-Filler.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-CM-Millable-Polyether-Urethane-Rubber-with-120-PHR-Mistron-Vapor-Filler.php)

| Physical Properties | Metric              | English             | Comments |
|---------------------|---------------------|---------------------|----------|
| Specific Gravity    | 1.50 g/cc           | 1.50 g/cc           |          |
| Mooney Viscosity    | 17                  | 17                  |          |
|                     | @Temperature 121 °C | @Temperature 250 °F |          |

| Mechanical Properties   | Metric      | English   | Comments |
|-------------------------|-------------|-----------|----------|
| Hardness, Shore A       | 77          | 77        |          |
| Tensile Strength, Yield | 16.5 MPa    | 2400 psi  |          |
| Elongation at Yield     | 625 %       | 625 %     |          |
| 100% Modulus            | 0.00689 GPa | 1.00 ksi  |          |
| 300% Modulus            | 0.01051 GPa | 1.525 ksi |          |
| Tear Strength           | 46.4 kN/m   | 265 pli   | Graves   |
| Compression Set         | 54 %        | 54 %      | Method B |

| Processing Properties | Metric              | English             | Comments |
|-----------------------|---------------------|---------------------|----------|
| Cure Time             | 90.0 min            | 1.50 hour           |          |
|                       | @Temperature 142 °C | @Temperature 287 °F |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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