

TSE Industries Millathane® CM Millable Polyether Urethane Rubber with Sundex 790 Plasticizer

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 100.0N-330 Carbon Black 30.0 Sundex 790 15.0 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-Sundex-790-Plasticizer.php

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|----------|---------------------------------|
| Hardness, Shore A | 62 | 62 | |
| | 62 | 62 | aged in air at 100°C for 4 days |
| Tensile Strength, Yield | 27.9 MPa | 4050 psi | aged in air at 100°C for 4 days |
| | 31.4 MPa | 4550 psi | |
| Elongation at Break | 430 % | 430 % | aged in air at 100°C for 4 days |
| | 540 % | 540 % | |
| 300% Modulus | 0.0117 GPa | 1.70 ksi | |
| | 0.0155 GPa | 2.25 ksi | aged in air at 100°C for 4 days |

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