

TSE Industries Millathane® CM Millable Polyether Urethane Rubber with 90 PHR Hi-Sil 233 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 Hi-Sil 233 90.0 Coumarone-Indene Resin 30.0 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-90-PHR-Hi-Sil-233-Filler.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	
Mooney Viscosity	68 @Temperature 121 °C	68 @Temperature 250 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	
Tensile Strength, Yield	13.1 MPa	1900 psi	
Elongation at Yield	500 %	500 %	
100% Modulus	0.00500 GPa	0.725 ksi	
300% Modulus	0.0114 GPa	1.65 ksi	
Tear Strength	60.1 kN/m	343 pli	Graves
Compression Set	85 %	85 %	Method B

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

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