

TSE Industries Millathane® CM Millable Polyether Urethane Rubber, 350°F Cure Temperature

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 100.0N330 Carbon Black30.0Coumarone-Indene Resin15.0MBTS4.0MBT1.0Sulfur0.75CAYTUR 40.35Zinc Stearate0.5All 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-350F-Cure-Temperature.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63	63	
Tensile Strength, Yield	28.44 MPa	4125 psi	
Elongation at Break	680 %	680 %	
300% Modulus	0.007067 GPa	1.025 ksi	
Compression Set	38 % @Temperature 70.0 °C, Time 79200 sec	38 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min @Temperature 177 °C	0.167 hour @Temperature 350 °F	

Descriptive Properties	Value	Comments
500% Modulus (ksi)	2.275	

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