

TSE Industries Millathane® CM Millable Polyether Urethane Rubber, Hardness 64A

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 Black30.0Cumar W 2 1/215.0MBTS4.0MBT1.0Sulfur1.5CAYTUR 41Zinc 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-Hardness-64A.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	
Tensile Strength, Yield	38.6 MPa	5600 psi	
Elongation at Yield	550 %	550 %	
100% Modulus	0.00276 GPa	0.400 ksi	
300% Modulus	0.0124 GPa	1.80 ksi	
Tear Strength	43.8 kN/m	250 pli	Graves
Abrasion	350	350	NBS Index
Compression Set	35 % @Temperature 70.0 °C, Time 79200 sec	35 % @Temperature 158 °F, Time 22.0 hour	Method B

Processing Properties	Metric	English	Comments
Cure Time	15.0 min @Temperature 154 °C	0.250 hour @Temperature 310 °F	

Descriptive Properties	Value	Comments
500% Modulus (ksi)	5.6	
Mooney Scorch	>= 32	at 250°F; 23 minutes to a 10 point rise

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