

TSE Industries Millathane® CM Millable Polyether Urethane Rubber, Hardness 65A

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 1/215.0MBTS4.0MBT1.0Sulfur0.75CAYTUR 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-Hardness-65A.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	
Tensile Strength, Yield	33.8 MPa	4900 psi	
Elongation at Yield	620 %	620 %	
100% Modulus	0.00190 GPa	0.275 ksi	
300% Modulus	0.00931 GPa	1.35 ksi	
Tear Strength	43.8 kN/m	250 pli	Graves
Abrasion	300	300	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	30.0 min @Temperature 154 °C	0.500 hour @Temperature 310 °F	

Descriptive Properties	Value	Comments
500% Modulus (ksi)	4.9	
Mooney Scorch	>= 30	at 250°F; >30 minutes to a 10 point rise

Contact Songhan Plastic Technology Co.,Ltd.

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