

TSE Industries Millathane® CM Millable Polyether Urethane Rubber with 120 PHR Iceberg Clay 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 Iceberg Clay 120.0 Coumarone-Indene Resin 40.0 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-120-PHR-Iceberg-Clay-Filler.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	
Mooney Viscosity	21	21	
	@Temperature 121 °C	@Temperature 250 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	76	76	
Tensile Strength, Yield	13.1 MPa	1900 psi	
Elongation at Yield	650 %	650 %	
100% Modulus	0.00345 GPa	0.500 ksi	
300% Modulus	0.00724 GPa	1.05 ksi	
Tear Strength	43.0 kN/m	245 pli	Graves
Compression Set	50 %	50 %	Method B

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

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