

TSE Industries Millathane® CM Millable Polyether Urethane Rubber with 45 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 45.0 Coumarone-Indene Resin 15.0 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-45-PHR-Hi-Sil-233-Filler.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	
Mooney Viscosity	45 @Temperature 121 °C	45 @Temperature 250 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	
Tensile Strength, Yield	34.5 MPa	5000 psi	
Elongation at Yield	650 %	650 %	
100% Modulus	0.00190 GPa	0.275 ksi	
300% Modulus	0.00500 GPa	0.725 ksi	
Tear Strength	46.4 kN/m	265 pli	Graves
Compression Set	24 %	24 %	Method B

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China