

## TSE Industries Millathane® CM Millable Polyether Urethane Rubber with 30 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 30.0 Coumarone-Indene Resin 10.0 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-30-PHR-Iceberg-Clay-Filler.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-CM-Millable-Polyether-Urethane-Rubber-with-30-PHR-Iceberg-Clay-Filler.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	
Mooney Viscosity	23	23	
	@Temperature 121 °C	@Temperature 250 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	59	59	
Tensile Strength, Yield	18.6 MPa	2700 psi	
Elongation at Yield	550 %	550 %	
100% Modulus	0.00207 GPa	0.300 ksi	
300% Modulus	0.00500 GPa	0.725 ksi	
Tear Strength	34.3 kN/m	196 pli	Graves
Compression Set	15 %	15 %	Method B

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

## Contact Songhan Plastic Technology Co.,Ltd.

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