

## TSE Industries Millathane® CM Millable Polyether Urethane Rubber with 30 PHR N650 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 100.0N65030.0Coumarone-Indene Resin10.0MBTS4.0MBT1.0Sulfur0.75CAYTUR 40.35Zinc Stearate0.50All 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-N650-Filler.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-CM-Millable-Polyether-Urethane-Rubber-with-30-PHR-N650-Filler.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	
Mooney Viscosity	29	29	
	@Temperature 121 °C	@Temperature 250 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	
Tensile Strength, Yield	35.9 MPa	5200 psi	
Elongation at Yield	550 %	550 %	
100% Modulus	0.00276 GPa	0.400 ksi	
300% Modulus	0.01086 GPa	1.575 ksi	
Tear Strength	53.3 kN/m	304 pli	Graves
Abrasion	210	210	NBS Index
Compression Set	23 %	23 %	Method B

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	@Temperature 142 °C	@Temperature 287 °F	

**Contact Songhan Plastic Technology Co.,Ltd.**

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