

## TSE Industries Millathane® CM Millable Polyether Urethane Rubber with 75 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 100.0N65075.0Coumarone-Indene Resin25.0MBTS4.0MBT1.0Sulfur0.75CAYTUR 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-75-PHR-N650-Filler.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-CM-Millable-Polyether-Urethane-Rubber-with-75-PHR-N650-Filler.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	
Mooney Viscosity	36	36	
	@Temperature 121 °C	@Temperature 250 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	79	79	
Tensile Strength, Yield	25.2 MPa	3650 psi	
Elongation at Yield	490 %	490 %	
100% Modulus	0.00586 GPa	0.850 ksi	
300% Modulus	0.0186 GPa	2.70 ksi	
Tear Strength	71.3 kN/m	407 pli	Graves
Abrasion	225	225	NBS Index
Compression Set	21 %	21 %	Method B

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

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