

TSE Industries Millathane® CM Millable Polyether Urethane Rubber with 120 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 100.0N650120.0Coumarone-Indene Resin40.0MBTS4.0MBT1.0Sulfur0.75CAYTUR 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-120-PHR-N650-Filler.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	
Mooney Viscosity	48	48	
	@Temperature 121 °C	@Temperature 250 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	
Tensile Strength, Yield	21.4 MPa	3100 psi	
Elongation at Yield	330 %	330 %	
100% Modulus	0.0103 GPa	1.50 ksi	
300% Modulus	0.0214 GPa	3.10 ksi	
Tear Strength	64.5 kN/m	368 pli	Graves
Abrasion	190	190	NBS Index
Compression Set	33 %	33 %	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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