

TSE Industries Millathane® CM Millable Polyether Urethane Rubber with 45 PHR N774 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 100.0N77445.0Coumarone-Indene Resin15.0MBTS4.0MBT1.0Sulfur0.75CAYTUR 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-45-PHR-N774-Filler.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	
Mooney Viscosity	30	30	
	@Temperature 121 °C	@Temperature 250 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	
Tensile Strength, Yield	30.3 MPa	4400 psi	
Elongation at Yield	580 %	580 %	
100% Modulus	0.00276 GPa	0.400 ksi	
300% Modulus	0.01293 GPa	1.875 ksi	
Tear Strength	57.6 kN/m	329 pli	Graves
Abrasion	160	160	NBS Index
Compression Set	20 %	20 %	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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