

TSE Industries Millathane® E34 Millable Polyether Polyurethane Rubber with 60 PHR Talc-Mistron Vapor

Category : Polymer , Thermoset , Polyester, TS , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

Material Notes:

MILLATHANE E34 is a high performance polyether polyurethane rubber for applications requiring: high abrasion resistance, low temperature flexibility, ozone resistance, oil and fuel resistance, outstanding hydrolytic stability and improved processing. MILLATHANE E34 can be compounded and processed by the use of conventional rubber manufacturing equipment – mixed on two roll mills or an internal mixer. Compounds can be – calendered; extruded; injection, transfer, or compression molded – to produce finished polyurethane parts. It can be vulcanized by organic peroxides or sulfur with thiazole accelerators. Formulation Millathane E34 100.0 Zinc Stearate 0.5 MBTS 4.0 MBT 2.0 Thanecure® ZM1.0 Sulfur 1.5 Cumar P10 10.0 Talc - Mistron Vapor 60 All information provided by TSE Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-E34-Millable-Polyether-Polyurethane-Rubber-with-60-PHR-Talc-Mistron-Vapor.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 64	>= 64	
Tensile Strength, Yield	20.99 MPa	3045 psi	
Elongation at Yield	606 %	606 %	
100% Modulus	0.00390 GPa	0.566 ksi	
200% Modulus	0.00550 GPa	0.798 ksi	
300% Modulus	0.00660 GPa	0.957 ksi	
Tear Strength	33.3 kN/m	190 pli	Die C

Processing Properties	Metric	English	Comments
Cure Time	13.0 min @Temperature 68.3 °C	0.217 hour @Temperature 155 °F	Press cured

Descriptive Properties	Value	Comments
DIN Abrasion (mm³)	111.3	

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