

TSE Industries Millathane® E34 Millable Polyether Polyurethane Rubber with 0.0 PHR Zinc Stearate

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 100.0N330 Black30.0Cumar P1010.0MBTS4.0MBT2.0Sulfur1.5Thanecure® ZM1.0Zinc Stearate0.0All 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-00-PHR-Zinc-Stearate.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 60	>= 60	
Tensile Strength, Yield	32.19 MPa	4669 psi	
Elongation at Yield	586 %	586 %	
100% Modulus	0.00250 GPa	0.363 ksi	
200% Modulus	0.00560 GPa	0.812 ksi	
300% Modulus	0.009901 GPa	1.436 ksi	
Tear Strength	32.0 kN/m	183 pli	Die C
Compression Set	39.7 % @Temperature 70.0 °C, Time 79200 sec	39.7 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	12.0 min @Temperature 68.3 °C	0.200 hour @Temperature 155 °F	

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