

TSE Industries Millathane® E34 Millable Polyether Polyurethane Rubber with 1.0 PHR Thanecure ZM

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 P1010.0MBTS4.0MBT2.0Sulfur1.5Zinc Stearate0.5Thanecure® ZM1.0All 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-10-PHR-Thanecure-ZM.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 65	>= 65	
Tensile Strength, Yield	30.10 MPa	4365 psi	
Elongation at Yield	558 %	558 %	
100% Modulus	0.00250 GPa	0.363 ksi	
200% Modulus	0.00570 GPa	0.827 ksi	
300% Modulus	0.009797 GPa	1.421 ksi	
Tear Strength	36.2 kN/m	207 pli	Die C
Compression Set	32.2 % @Temperature 70.0 °C, Time 79200 sec	32.2 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min @Temperature 68.3 °C	0.167 hour @Temperature 155 °F	

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