

TSE Industries Millathane® E34 Millable Polyether Polyurethane Rubber with 40 PHR N330 (HAF) Filler

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 Struktol WB 2220.5 Poly AC 617A 0.5 Cumar P1010.0 MBTS 4.0 MBT 2.0 Thanecure® ZM1.0 Sulfur 1.5 Carbon Black N-330 (HAF) 40 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-40-PHR-N330-HAF-Filler.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 70	>= 70	
Tensile Strength, Yield	27.79 MPa	4031 psi	
Elongation at Yield	554 %	554 %	
100% Modulus	0.00390 GPa	0.566 ksi	
200% Modulus	0.008501 GPa	1.233 ksi	
300% Modulus	0.01350 GPa	1.958 ksi	
Tear Strength	39.3 kN/m	224 pli	Die C

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

Descriptive Properties	Value	Comments
DIN Abrasion (mm³)	46.7	

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