

TSE Industries Millathane® E34 Millable Polyether Polyurethane Rubber with 20 PHR Fumed Silica - Wacker HK N20

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 MBT 4.0 MBT 2.0 Thanecure® ZM1.0 Sulfur 1.5 Cumar P10 10.0 Fumed Silica - Wacker HK N20 20 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-20-PHR-Fumed-Silica-Wacker-HK-N20.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 60	>= 60	
Tensile Strength, Yield	32.0 MPa	4640 psi	
Elongation at Yield	623 %	623 %	
100% Modulus	0.00140 GPa	0.203 ksi	
200% Modulus	0.00210 GPa	0.305 ksi	
300% Modulus	0.00330 GPa	0.479 ksi	
Tear Strength	36.8 kN/m	210 pli	Die C

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

Descriptive Properties	Value	Comments
DIN Abrasion (mm ³)	30.8	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China