

## TSE Industries Millathane® E34 Millable Polyether Polyurethane Rubber

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. 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.php](http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-E34-Millable-Polyether-Polyurethane-Rubber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	
Mooney Viscosity	35 - 65	35 - 65	ML 1+4
	@Temperature 100 °C	@Temperature 212 °F	
	40 - 60	40 - 60	Standard, ML 1+4
	@Temperature 100 °C	@Temperature 212 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45 - 90	45 - 90	
Tensile Strength, Yield	40.0 MPa	5800 psi	
Resilience	40 - 50	40 - 50	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-62.0 °C	-79.6 °F	

Descriptive Properties	Value	Comments
Appearance	Pale to dark amber solid bale or milled sheets	
Health Hazard	None	
Hydrolytic Stability	Very Good	
Odor	Faint, characteristic	
Oil and Fuel Resistance	Very Good	
Ozone Resistance	Excellent	

Descriptive Properties	Value	Comments
Weather Resistance	Very Good	

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