

Aearo E-A-R Specialty Composites Isoloss® VL Polyurethane Elastomer

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Isoloss® VL elastomers have an extremely low modulus and good damping performance throughout a useful range of 0°C to 49°C. Isoloss® Polyurethane Elastomers feature high internal damping properties for low amplification at resonance to protect equipment during frequency cycling and random shocks, effective shock protection for sensitive mechanisms within minimum sway parameters, and quick return to equilibrium after vibrations or shocks. Information provided by Aearo E-A-R Specialty Composites.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aearo-E-A-R-Specialty-Composites-Isoloss-VL-Polyurethane-Elastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	24	24	
Tensile Strength at Break	1.77 MPa	256 psi	
Elongation at Break	900 %	900 %	
Resilience	23	23	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	82.0 °C	180 °F	
Brittleness Temperature	-40.0 °C	-40.0 °F	
Flammability, UL94	V-0	V-0	

Descriptive Properties	Value	Comments
Abrasion Resistance	Good	
Compression Set Resistance	Good to Excellent	
Damping T max	6 dB	
Heat Aging; 100°C	Excellent	
Tear Strength	Excellent	

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