

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

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

Material Notes:

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-HDF-Polyurethane-Elastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	56	56	
Tensile Strength at Break	6.998 MPa	1015 psi	
Elongation at Break	424 %	424 %	
Resilience	4.5	4.5	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	82.0 °C	180 °F	
Brittleness Temperature	-27.0 °C	-16.6 °F	
Flammability, UL94	V-2	V-2	

Descriptive Properties	Value	Comments
Abrasion Resistance	Excellent	
Compression Set Resistance	Excellent	
Damping T max	4 dB	
Heat Aging; 100°C	Fair to Good	
Tear Strength	Excellent	

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