

Aearo E-A-R Specialty Composites Isodamp® C-1000 Series TPE

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

Isodamp® C-1000 Series TPEs 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-Isodamp-C-1000-Series-TPE.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	56 - 70	56 - 70	Available in 56, 63, and 70 Shore A
Tensile Strength at Break	10.85 MPa	1574 psi	
Elongation at Break	459 %	459 %	
Resilience	5.3	5.3	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	71.0 °C	160 °F	
Brittleness Temperature	-20.0 °C	-4.00 °F	
Flammability, UL94	V-0	V-0	

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

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