



NICKEL/GRAPHITE FILLED SILICONE ELASTOMER

EcE72 is a nickel/graphite filled silicone elastomer. EcE72 has excellent shielding properties and conductivity. This material has excellent sealing at temperature extremes, is ozone resistant, and has a long shelf life. It has been developed to meet UL94 V-0 standard (UL report pending).

This material can be molded, extruded, or formed into sheets and then die-cut. See our catalog for standard shapes available, or provide information about your needs for a custom profile.

FEATURES

- Utilizes both conductive and non-conductive materials
- Provides stronger environmental shielding to the outside of gaskets due to pure silicone
- Retains strong EMI protection
- Cost-effective solution
- Able to extrude in various sizes and profiles

MARKETS

- DataCom
- Military
- Medical

SPECIFICATIONS	TARGET SPECIFICATION
Color	Gray
Elastomer	Silicone
Filler	Nickel Graphite
Shielding Effectiveness	100 dB, minimum (20 MHz to 10 GHz)
Hardness	75 ± 7 Shore A
Volume Resistivity	0.1 ohm-cm, maximum
Density	2.3 ± 0.25 g/cm ³
Tensile Strength	280 psi, minimum
Elongation	150%, minimum
Tear Strength	55 ppi, minimum
Compression Set	30%, maximum
Temperature Range	-45°C to 150°C

global solutions: local support™

USA: +1.866.928.8181

Europe: +49.0.8031.2460.0

Asia: +86.755.2714.1166

EMI-DS-ECE72 0911

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non-infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2011 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trade marks or registered trade marks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.