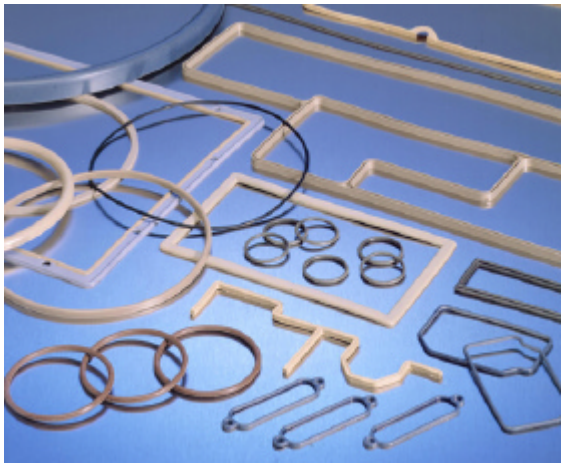
CHOMERICS Leader in EMI Shielding and Thermal Management

CHO-SEAL® 6371

UL 94V-0 Conductive Elastomer

DESCRIPTION
CHO-SEAL® 6371 is a versatile moldable elastomer that can be used in a broad variety of applications. It is a n/g filled silicone elastomer with excellent shielding characteristics. CHO-SEAL 6371 is UL 94V-0 rated for use in applications requiring fire resistant material. This material is both compression and injection moldable so it can be provided in custom molded shapes, o-rings, sheets and die-cut gaskets. Its versatility as an injection moldable product allows it to be over-molded onto plastic and metal components for shielded housings in servers, base stations and communications switching equipment. CHO-SEAL 6371's high temperature capability and corrosion resistance makes it a great selection for environmentally demanding indoor and outdoor applications.



Materials		
Elastomer Binder	Silicone	--
Conductive Filler	Ni/C	--
Electrical Properties		
Volume Resistivity	0.1 ohm-cm	CEPS-0002*
Volume Resistivity Heat Aged at 150°C/48hrs	0.25 ohm-cm	CEPS-0002*
Shielding Effectiveness		
100 MHz (E-Field)	100 dB	CHO-TM-TP08*
500 MHz (E-Field)	100 dB	
2 GHz (Plane Wave)	80 dB	
10 GHz (Plane Wave)	80 dB	
Physical Properties		
Hardness (Shore A)	56 +/- 10	ASTM D2240
Specific Gravity	2.0 +/- 0.25	ASTM D792
Tensile Strength, min.	150 Mpa	ASTM D412
Elongation, min.	100%	ASTM D412
Compression Set, 70 hrs. at 100°C, max.	40%	ASTM D395**
Flammability	V-0, (0.4mm) (>0.015")	UL 94V-0
Low Temp. Flex, TR10, min.	-40°C (-40°F)	ASTM D1329
Maximum Continuous Use Temperature	150°C (300°F)	--

FEATURES
- UL 94V-0 Rated
- Compression and Deflection Moldable
- Nickel/Graphite Conductive Filler
- Corrosion Resistant
- Maximum Temperature of 150° C (300°F)
- Environmental Sealing
- Effective Shielding up to 100 dB

* Copies of CEPS-0002 and CHO-TM-TP08 are available from Chomerics' application engineering department.

** Compression set is expressed as a percentage of deflection per ASTM D395 Method B., at 25% deflection. To determine percent recovery, subtract 1/4 of stated compression set value from 100%. For example, in the case of 30% compression set, recovery is 92.5%.

Supplied by:
www.hitek-ltd.co.uk
+44 (0)1724 851678
HITEK ELECTRONIC MATERIALS LTD