

CHO-SEAL 6370

Flame Retardant (Ni/C) Conductive Silicone Elastomer

Supplied by:
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ELECTRONIC MATERIALS LTD

CHO-SEAL 6370 EMI gaskets are conductive elastomers engineered for use in commercial electronic equipment where a high degree of flame retardance and corrosion resistance are needed. These gaskets are available with a UL 94V-0 rating (UL File# 96ME17043). The material offers moderate to high performance for commercial applications. These gaskets help provide cost-effective compliance with government and industry EMC standards, including FCC, EN and VCCI requirements.

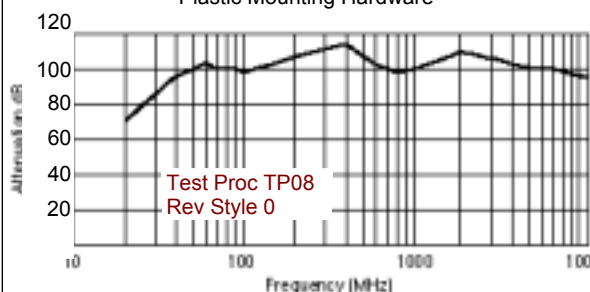
CHO-SEAL 6370 gaskets are both flame retardant and corrosion resistant. Flame retarding properties are achieved while maintaining shielding effectiveness equal to or better than other EMI gaskets.

CHO-SEAL 6370 gaskets are available in all standard extrusion profiles including a wide range of hollow "O", "P", "V" and "D" profiles. They can be supplied in bulk on rolls, cut to a specified length or as spliced rings. Several attachment methods are available, including pressure-sensitive adhesive (PSA). Custom profiles are also available.

FEATURES

- UL94 V-0 flammability rating at .014 in. thickness (min.)
- Greater than 100 dB shielding from 50 MHz to 10 GHz (see Figure 1)
- Corrosion resistant Nickel Graphite based formulation
- PSA attachment is an option with most cross sections

Fig 1: Shielding Effectiveness
Part no: 10-04-2737-6370
Plastic Mounting Hardware



		Test Procedure (Type of Test)	CHO-SEAL 6370
Physical	Molded (M) or Extruded (E)	--	E
	Conductive Filler	--	Ni/C
	Elastomer Binder	--	Silicone
	Type (Ref. MIL-DTL-83528)	--	Not Applicable
	Volume Resistivity, ohm-cm, max., as supplied without pressure sensitive adhesive	CEPS-0002 ^c (Q/C)	0.100
		MIL-DTL-83528 (Q/C)	Not Applicable
	Hardness, Shore A	ASTM D2240 (Q/C)	60 ±10
	Specific Gravity	ASTM D792 (Q/C)	2.10 ± 0.25
	Tensile Strength, psi (MPa), min.	ASTM D412 (Q/C)	150 (1.03)
	Elongation, % min. or % min./max.	ASTM D412 (Q/C)	100
Thermal	Tear Strength, lb/in. (kN/m), min.	ASTM D624 (Q)	35 (6.13)
	Compression Set, 70 hrs at 100°C, % max. ^(a)	ASTM D395, Method B (Q)	40
	Low Temperature Flex TR10, °C, min.	ASTM D1329 (Q)	-45
	Maximum Continuous Use Temperature, °C ^(a)	--	150
	Thermal Conductivity, W/m-K (Typical) 300 psi (2.07 MPa)	ASTM D5470	0.9
Electrical	Shielding Effectiveness, dB, min. ^(b)	Method 1: CHO-TP08 ^c (Q)	Method 1 Not Tested
			100
		Method 2: MIL-DTL-83528 Para. 4.5.12 (Q)	100
			95
			95
		Method 3: CHO-TP09 ^c (Q)	Not Tested
	Electrical Stability, ohm-cm, max.	CEPS-0002 ^c (Q)	0.250 ^(a)
		MIL-DTL-83528 Para. 4.5.15 (Q/C)	Not Applicable
		Resistance During Vibration	Not Applicable
		Resistance After Vibration	Not Applicable
Regulatory	Post Tensile Set Volume Resistivity	MIL-DTL-83528 Para. 4.5.9 (Q/C)	Not Applicable
	EMP Survivability, kA per in. perimeter	MIL-DTL-83528 Para. 4.5.16 (Q)	Not Applicable
	RoHS Compliant	--	Yes
	UL 94 Flammability Rating	UL 94	V-0



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