



- Conductive elastomers • Knitted wire mesh
- Conductive coatings, sealants, adhesives
- Cable shielding products • EMI/ESD shielding laminates
- Shielded vents and windows
- Commercial and military EMI testing

LEADER IN EMI SHIELDING INNOVATION, DESIGN, AND TEST TECHNOLOGY

# CHO-SEAL® 6370 Flame Retardant Conductive Silicone Elastomer

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 occupies the moderate to high performance sector in Chomerics' family of products designed for commercial applications. These gaskets help provide cost-effective compliance with government or 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.

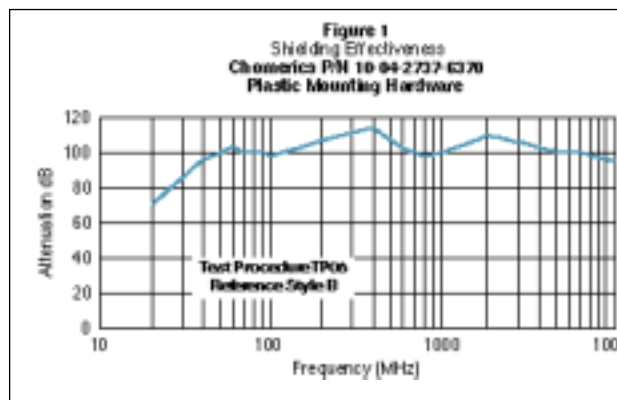
## FEATURES

- 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

PROPERTY	TEST PROCEDURE	TYPICAL VALUE
Tensile Strength psi, min. (MPa, min.)	ASTM-D412	150 (1.03)
Elongation (%)	ASTM-D412	100
Tear Strength ppi, min.	ASTM-D624	35
Hardness (Shore A)	ASTM-D2240	60 ±10
Compression Set, 70 hrs. @ 100°C (% max.)	ASTM-D395 Method B	40
Specific Gravity	ASTM-D792	2.1 ± 0.25
Volume Resistivity (ohm-cm, max.)	CEPS-0002*	0.10
Flammability	UL94	V-0 (wall >0.014 in.)
Volume Resistivity after heat aging at 150°C/48 hrs. (ohm-cm, max.)	CEPS-002*	0.25
Low Temperature Flex. TR10, (°C)	ASTM D1329	-45
Maximum Continuous Use Temperature (°C)	—	150
Shielding Effectiveness (dB) 100 MHz (E-Field) 500 MHz (E-Field) 2 GHz (Plane Wave) 10 GHz (Plane Wave)	CHO-TM-TP08*	100 100 95 95

## AVAILABILITY

CHO-SEAL 6370 material is available in most extruded profiles. Chomerics has hundreds of standard sizes and shapes. Consult your *EMI Shielding for Commercial Electronics* catalog or call our Applications Engineering Department for recommendations. Custom cross sections are also available.



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