

Conductive Elastomer Molded Reinforced Seals

CHO-SEAL REINFORCED ELASTOMER SEALS

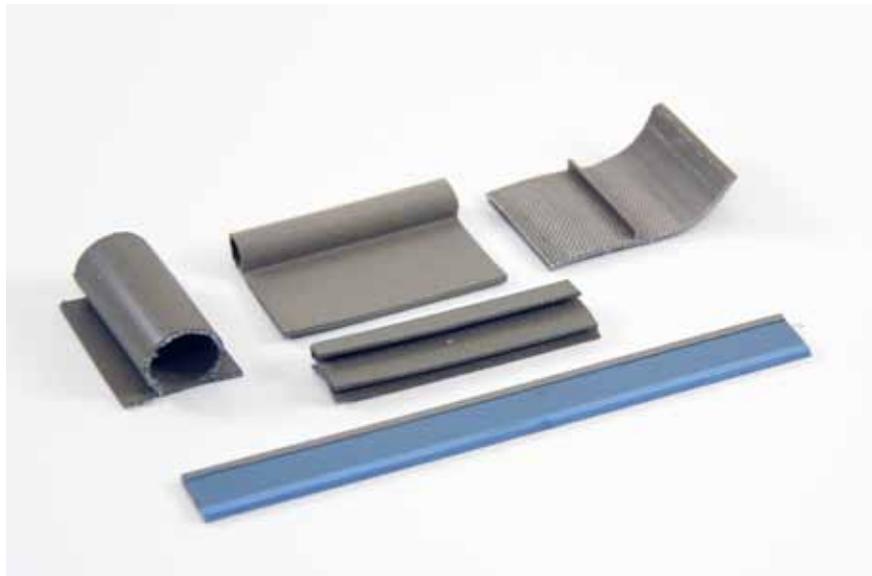
CHO-SEAL reinforced conductive and non-conductive elastomer seals consist of a corrosion-resistant CHO-SEAL conductive or non-conductive elastomer base, reinforced with a woven or knitted fabric material, or wire mesh. These seals are intended for use in airframe shielding applications or any other applications requiring a reinforced seal. The integrally molded reinforced material provides improved mechanical properties, while maintaining the electrical properties of the conductive elastomer base materials. CHO-SEAL reinforced seals are used to provide EMI shielding, lightning protection, HIRF protection and radar cross section reduction by maintaining surface electrical continuity at joints, seams and openings in air frames.

Contact Information:

Parker Hannifin Corporation
Chomerics Division
77 Dragon Court
Woburn, MA 01801

phone 781 935 4850
fax 781 933 4318
chomailbox@parker.com

www.chomerics.com
www.parker.com/chomerics



Typical applications include, but are not limited to; electronic bay doors, wing panel access covers, engine pylons, radomes and nacelle seals. Parker Chomerics can design and develop reinforced custom cross sections, shapes and sheets to meet specific customer requirements.

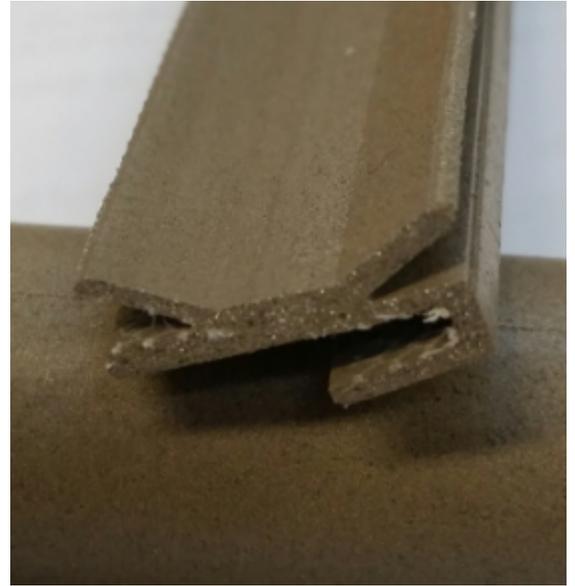
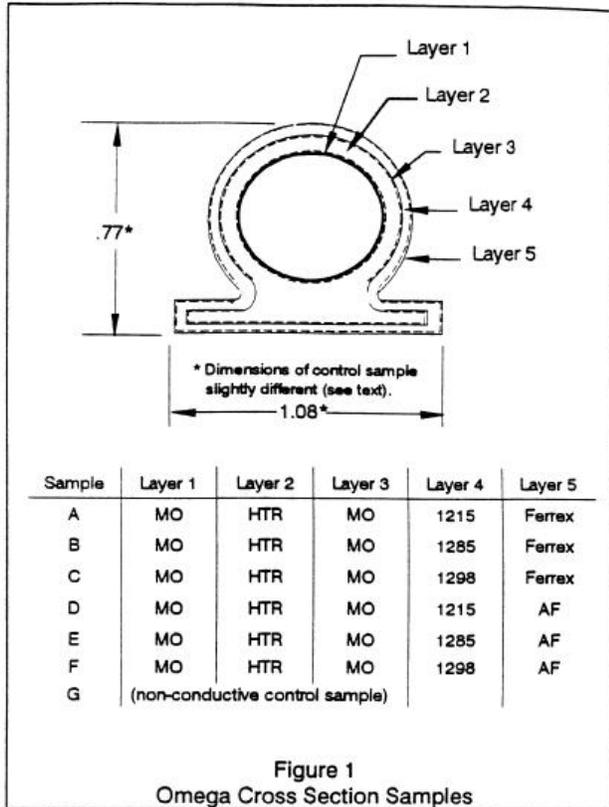
CHO-SEAL 1285, CHO-SEAL 6502, CHO-SEAL 1287, CHO-SEAL 1298 and CHO-SEAL 6503 corrosion-resistant silver-plated-aluminium and silver-plated nickel filled standard Mil/Aero silicones and fluorosilicones are typically used for the conductive elastomer base material.

Refer to Parker Chomerics Conductive Elastomer EMI Gaskets Molded and Extruded Materials Selector Guide for details

Knitted Dacron fabrics are used as reinforcing layers to dramatically increase the tensile and tear strength of the elastomer without adding weight to the seal. If applicable, layers of aluminum or wire mesh are used to provide high current-carrying capability required for lightning strike protection. Other reinforcing materials are available to provide resistance to flame.

For applications on aluminium with conductive materials in salt fog environments, Parker Chomerics recommends that mating flange surfaces be protected with CHO-SHIELD® 2001 or 2002 conductive coatings for maximum corrosion protection. (See Parker Chomerics Conductive Compounds brochure for additional information.)

Molded Reinforced Elastomer Seals - Product Information



CHO SEAL 1298 Reinforced Elastomer

Table 1: Typical Non-Conductive Environmental Sealing Molded Elastomers

Silicone Per A-A-59588 (ZZ-R-765) Class 2A and 2B	Fluorosilicone Per MIL-R-25988B Type 2, Class 1
Grade	Grade
40	40
50	50
60	60
70	70
80	80

ORDERING PROCEDURE

CHO-SEAL Reinforced Conductive Elastomer Seals are produced as custom orders. Contact Parker Chomerics Applications Engineering Department to review your requirements.

www.chomerics.com
www.parker.com/chomerics

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



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