

Preliminary Product Information

SOFT-SHIELD® 7000 Series High Performance Conductive Jacket over foam Low Closure Force EMI Gaskets

DESCRIPTION

SOFT-SHIELD® 7000 series gaskets are designed to meet our customers' most demanding needs for EMI Shielding, elevated operating temperatures, mechanical stability and extended operating life. Many of today's electronics are designed to provide a service life of ten years or more. EMI shielding gaskets, within these systems, are expected to maintain electrical and mechanical integrity for the entire life of the system.

SOFT-SHIELD® 7000's unique combination of high performance plated cloth, custom developed polymeric foam and high temperature PSA provide our customers with a superior design solution. Add to this, low closure force and UL94V-0 compliance and you will see why the SOFT-SHIELD® 7000 series EMI gasket is in a league of its own.

FEATURES

- UL 94V-0 rated
- +125°C operating temperature with low compression set
- Typically require <1.5 lb/in (0.175 N/mm) closure force – Five times lower than other gaskets
- >90 dB average attenuation from 20 MHz to 10 GHz
- No performance degradation after 10,000 compression cycles
- Kiss-cut parts on release sheets for easy “peel-and-stick” grounding applications
- Self-terminating jacket – no sharp edges

BENEFITS

- Cost-effective
- Alternative to BeCu fingerstock
- Pick and place installation
- Technical application support
- Global distributor / fabricator network
- Application-ready custom parts (die-cut, spliced, etc.)

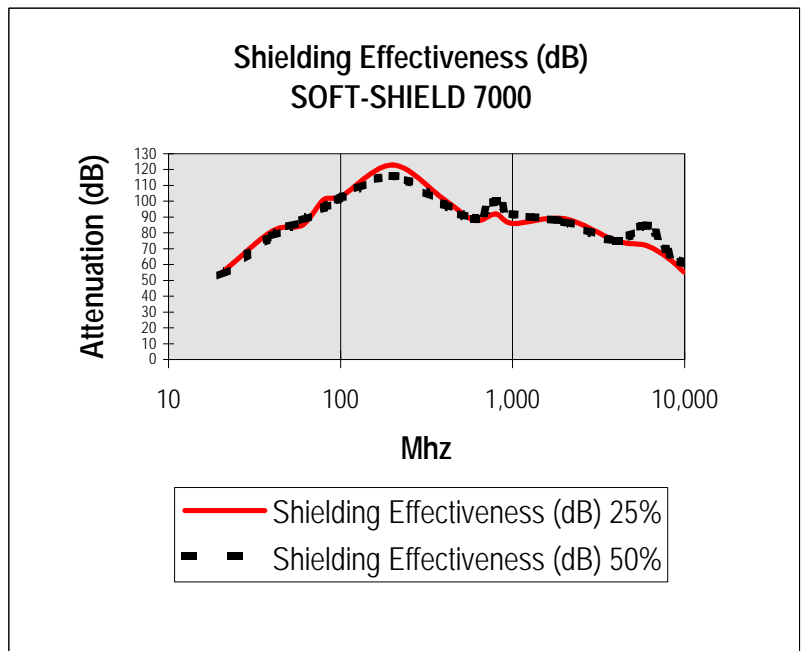
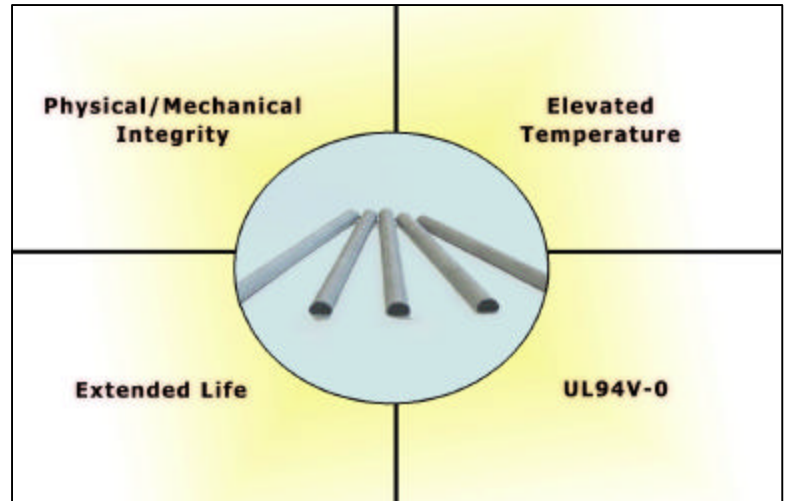


Figure 1

Preliminary Product Information – SOFT-SHIELD® 7000 Conductive Jacket Over Foam EMI Gaskets

Property	Test Method	SOFT-SHIELD 7000
Shielding Effectiveness	CHO-TM-TP08	See Figure 1
Compression-Deflection	ASTM C165 (Modified)	See Figure 2
Compression Set	ASTM D3574 (Modified)	0% (70°C) / 10% (125°C)
Electrical Conductivity	CEPS-0002	0.1 /sq. (max.)
Adhesive Peel Strength	ASTM D100 (90° Bend)	4 lb/inch (0.7 N/mm) (min.)
Pressure-Sensitive Adhesive	_____	Non-Conductive Adhesive
Operating Temperature Range	_____	-40°C to 125°C

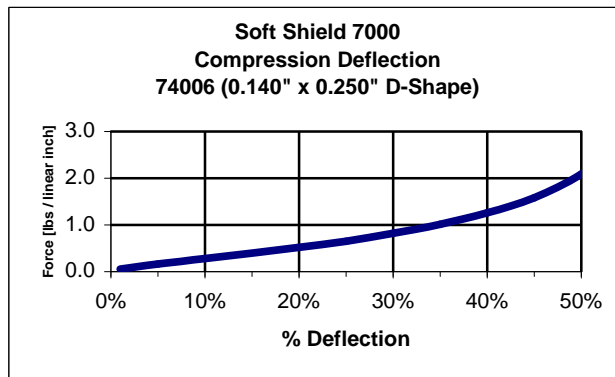
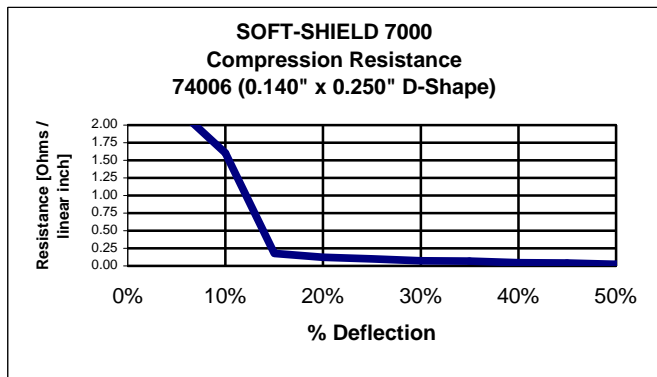


Figure 2

Typical Application-Ready Solutions
Telecommunications Faceplate



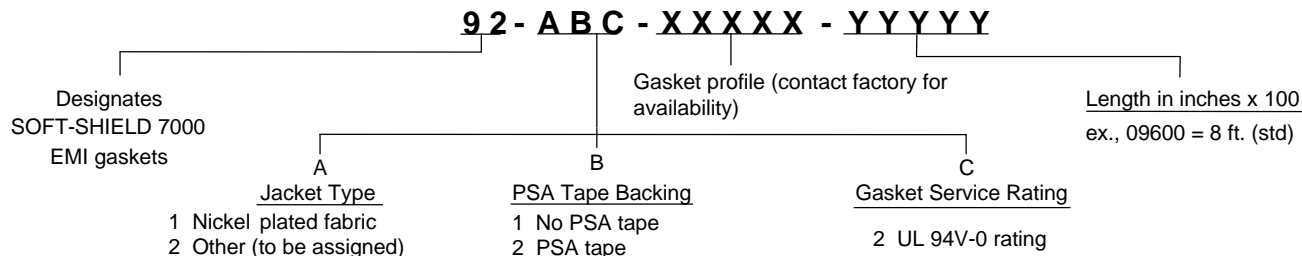
Conditions and Requirements

- Low closure force
- Minimal compression set
- Extended operating life

SOFT-SHIELD Gasket Solution

- Less than 0.75 lb. / linear inch at 25% deflection
- 0% Compression set at 70°C
- No degradation in foam properties over time (10 years min.)

ORDERING INFORMATION



www.chomerics.com

North America • 77 Dragon Court, Woburn, MA 01888-4014 TEL +(1) 781-935-4850 FAX +(1) 781-933-4318
 Europe • Marlow, Bucks, UK TEL +(44) 1628 404000 FAX +(44) 1628 404090
 Asia Pacific • Hong Kong TEL +(852) 2 428 8008 FAX +(852) 2 423 8253
 South America • São Paulo, Brazil TEL +(55) 11 3917 1099 FAX +(55) 11 3917 0817

CHOMERICS

Parker Seals

NOTICE: The information contained herein is to the best of our knowledge true and accurate. However, since the varied conditions of potential use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part and users should make their own tests to determine the suitability of our products in any specific situation. This product is sold without warranty either expressed or implied, of fitness for a particular purpose or otherwise, except that this product shall be of standard quality, and except to the extent otherwise stated on Chomerics' invoice, quotation, or order acknowledgement. We disclaim any and all liability incurred in connection with the use of information contained herein, or otherwise. All risks of such are assumed by the user. Furthermore, nothing contained herein shall be construed as a recommendation to use any process or to manufacture or to use any product in conflict with existing or future patents covering any product or material or its use.