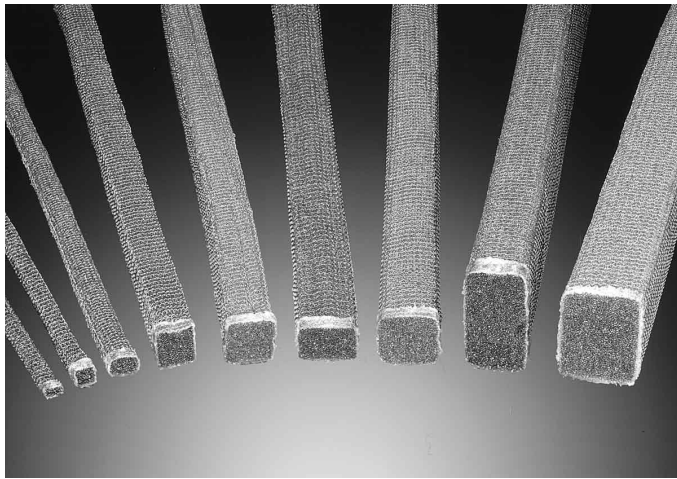


SOFT-SHIELD® 1000 Series



SOFT-SHIELD 1000 Series Knitted Wire over Foam EMI Gaskets

- >70 dB attenuation from 20 MHz to 10 GHz
- Requires only 0.35 lb/inch (0.062 N/mm) closure force
- Only 10-15% compression set at 25% deflection
- UL 94HF-1 flammability (foam core)
- 2.5 - 4.5 lb/inch (0.44 - 0.79 N/mm) gasket peel strength
- Maintains performance after 10,000 compression cycles

- Only 0.93% moisture absorption
- Rectangular and square profiles
- Continuous lengths on reels or cut-to-length and terminated
- U.S. Patent No. 5,028,739

High Durability, Exceptionally Soft

Easy-to-install SOFT-SHIELD 1000 Series gaskets are specially designed for shielding commercial electronic enclosures with tight space constraints or low closure force requirements. They are constructed with a distinctive

combination of fine knitted wire mesh over an extremely soft urethane foam core. Standard wire types are monel (nickel-copper alloy) or Ferrex® (tin-plated copper-clad steel).

Standard construction is 0.002 inch (0.05 mm) or 0.0035 inch (0.09 mm) diameter wire with a density of 10-15 knit courses per inch of length (CPI). This combination provides exceptionally low compression force characteristics and excellent shielding. Optional pressure-sensitive adhesive is offered for rapid attachment.

* Ferrex® is Chomerics' tin-plated, copper-clad steel wire per ASTM B-520. ASTM (QQ-W-343) tin plate, 2-3% by weight; ASTM B-227 copper cladding, 30-40% by weight; SAE 1010 steel wire, balance by weight.

continued

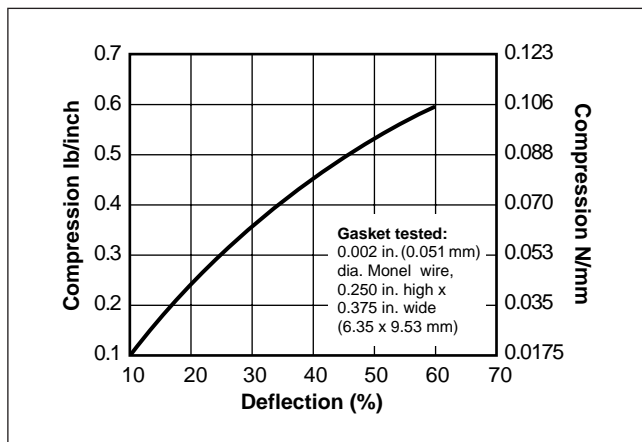


Figure 1 Compression-Deflection

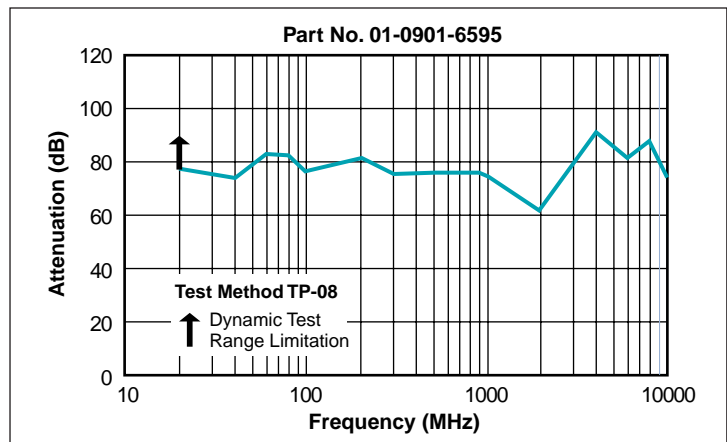


Figure 2 Shielding Effectiveness

Configurations: SOFT-SHIELD 1000 Series gaskets are supplied on continuous rolls, or cut to specified lengths. Chomerics' "Quick-Cut" technology allows this knitted wire gasket to be cut-to-length while bonding the wire to the foam core.

This prevents fraying of the wire ends while maintaining the gasket's extremely low closure force.

In addition to seven standard cross sections, many custom sizes can be produced without special

tooling or setup costs. Custom fabrication includes non-standard cross sections 0.75 x 0.75 inch (19.1 x 19.1 mm) or larger, as well as special attachment mechanisms, including push-pins.

ORDERING INFORMATION

Use the following part numbers to order
SOFT-SHIELD 1000 Series gaskets:

(Monel) 01-0901-XXXX **(Ferrex)*** 01-0904-XXXX

Refer to Table 1 below to replace **XXXX** according to desired gasket dimensions.

Table 1

HEIGHT	WIDTH	WIRE DIAMETER	XXXX
0.125 (3.18)	0.188 (4.78)	0.002 (0.051)	6587†
		0.002 (0.051)	6593
		0.0035 (0.089)	6544†
		0.0035 (0.089)	6601
0.125 (3.18)	0.250 (6.35)	0.002 (0.051)	6588†
		0.002 (0.051)	6594
		0.0035 (0.089)	6572†
		0.0035 (0.089)	6602
0.250 (6.35)	0.250 (6.35)	0.002 (0.051)	6589†
		0.002 (0.051)	6595
		0.0035 (0.089)	6574†
		0.0035 (0.089)	6603
0.375 (9.53)	0.375 (9.53)	0.002 (0.051)	6576†
		0.002 (0.051)	6596
		0.0035 (0.089)	6573†
		0.0035 (0.089)	6604
0.375 (9.53)	0.500 (12.70)	0.002 (0.051)	6590†
		0.002 (0.051)	6597
		0.0035 (0.089)	6548†
		0.0035 (0.089)	6605
0.250 (6.35)	0.375 (9.53)	0.002 (0.051)	6591†
		0.002 (0.051)	6598
		0.0035 (0.089)	6547†
		0.0035 (0.089)	6606
0.500 (12.70)	0.500 (12.70)	0.002 (0.051)	6592†
		0.002 (0.051)	6599
		0.0035 (0.089)	6600†
		0.0035 (0.089)	6607

* Ferrex available only in 0.0035 inch wire diameter.

† Supplied without pressure-sensitive adhesive

Chomerics' "Quick-Cut" technology provides terminated custom lengths with non-fraying ends. Available for most cross sections shown here. Contact our Applications Engineering Department.

(mm dimensions in parentheses)