

SPRINGMESH® Highly Resilient Gaskets

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New knitted wire mesh technology offers the advantages of mesh over core without the bulk and expense of a core. Chomerics' special technique produces a highly resilient, hollow knitted mesh gasket with remarkable recovery even above 70% compression. Compression set is less than 30% at 80% compression.

SPRINGMESH gaskets have a round configuration ideally suited for use as a gasket-in-a-groove. They are made from 0.004 inch (0.10 mm) diameter tin-plated steel wire knitted into a hollow cylinder. Two layers of mesh is the preferred design for maximum EMI protection and compression-deflection performance. Custom constructions are available.

Typical applications include cast housings for outdoor CATV boxes, NEMA enclosures with outboard environmental seals, and industrial enclosures.

Ordering Procedure

Standard SPRINGMESH gasketing is sold in bulk and can also be cut to length. Order by part numbers listed in Table 1. In addition to these standard diameters, SPRINGMESH gaskets can be produced in other diameters from 0.062 to 0.375 inch (1.57 to 9.53 mm), for which part numbers will be assigned by Chomerics.

"D" shape configurations with a pressure-sensitive adhesive mounting strip are also available. Contact Chomerics.

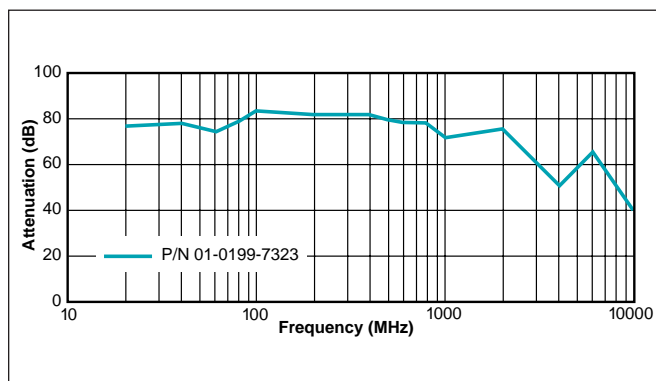
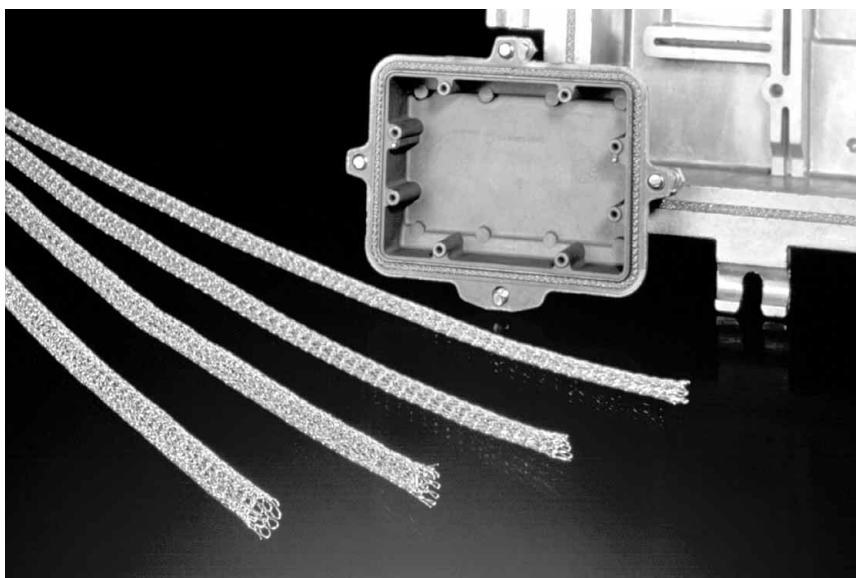


Figure 1 Shielding Effectiveness

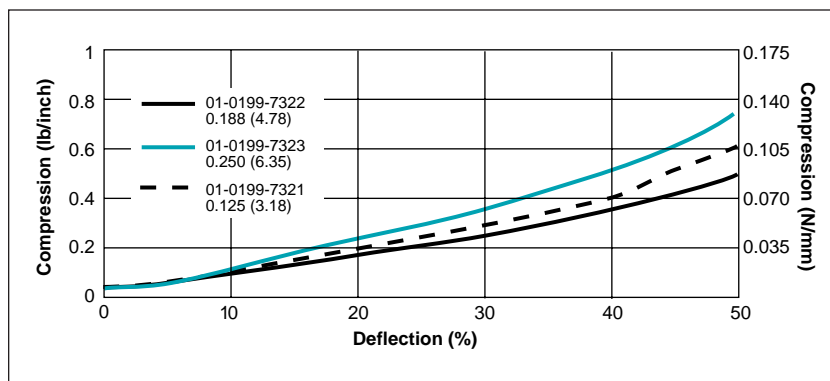


Figure 2 Compression-Deflection

Table 1

PART NUMBER	DIAMETER	TOLERANCE
01-0199-7298	0.093 (2.36)	+0.020,-0.000 (0.51)
01-0199-7321	0.125 (3.18)	+0.020,-0.000 (0.51)
01-0199-7324	0.156 (3.96)	+0.020,-0.000 (0.51)
01-0199-7322	0.188 (4.78)	+0.020,-0.000 (0.51)
01-0199-7323	0.250 (6.35)	+0.032,-0.000 (0.81)
01-0199-7367	0.375 (9.53)	+0.032,-0.000 (0.81)

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)