

# SOFT-SHIELD® 2000

## Knitted Yarn Over Foam Core EMI Shielding Gaskets



### Customer Value Proposition:

SOFT-SHIELD® 2000 gaskets consist of silver-plated nylon yarn knitted over a highly compressible, thermoplastic EPDM foam core. Through a special treatment process, the yarn jacket is secured to the core. This self-terminating outer layer eliminates the need for secondary termination efforts and metal particle debris associated with the cut ends of common wire mesh gaskets. SOFT-SHIELD 2000 gaskets are designed specifically for EMI shielding electronic enclosures where weather sealing is not a requirement. The low closure force characteristic of SOFT-SHIELD 2000 gaskets allows enclosures to be designed with fewer fasteners and/or thinner panels.

### Configurations:

Standard SOFTSHIELD 2000 gaskets include both rectangular and D cross sections. Gaskets are provided in bulk on spools or cut to specified lengths. For attachment to flanges or other mounting surfaces, these gaskets are available with an acrylic pressure-sensitive adhesive (PSA) option for quick, efficient application. Gaskets can also be produced as 4-corner spliced picture frames.



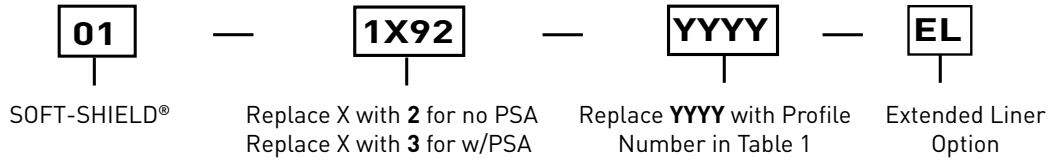
### Product Features:

- ~70 dB attenuation from 20 MHz to 10 GHz
- ~1 lb/inch (0.175 N/mm) closure force
- No degradation in performance after 10,000 compression cycles
- Self-terminating with no secondary operations
- <25% compression set at 50% deflection, 22 hr. at 158°F (70°C)
- Operating temperature of -50° F to 158° F (-46° C to 70° C)
- Broad compression range of 35% ± 20%.
- Extended liner option for easier PSA backing removal
- Continuous lengths on reels, cut-to-length or kiss-cut on film-sheets
- UL 94HB flammability rated

# SOFT-SHIELD® 2000 - Available Profiles

## ORDERING INFORMATION

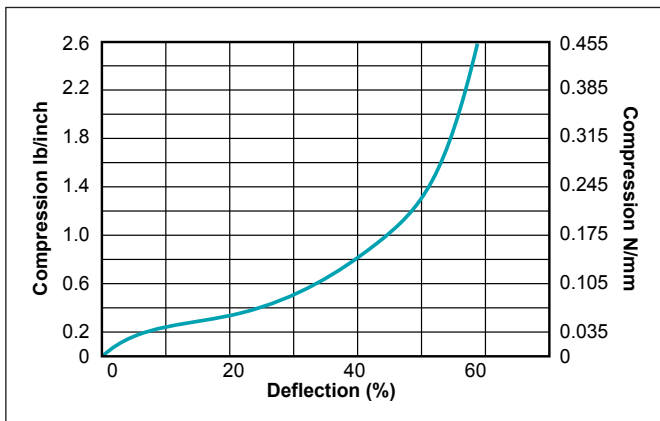
Use the following part numbers to order



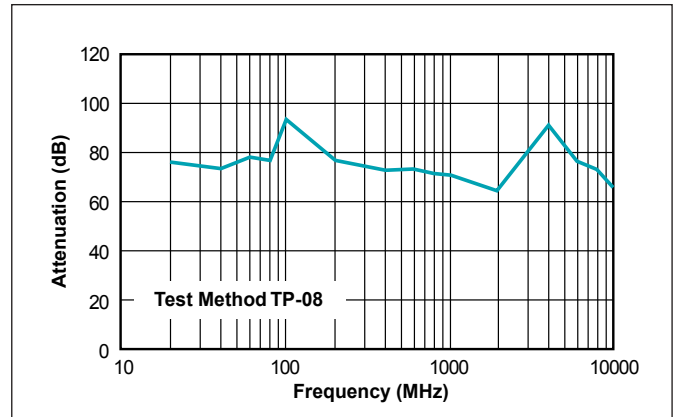
**Table 1 - Profiles inches (mm)**

Height	Width	Profile	Shape	Cross Section Tolerances	Cut-To-Length
0.130 (3.30)	0.190 (4.82)	6789	Rect.	±0.040 (±1.01)	Up to 5.000' ± 0.030 (127 ±0.76) 5.001'-10.000' ±0.060 (127-254 ±1.52)  Over 10.000' add ±0.060 (254 ±1.52) for every 10"
0.200 (5.08)	0.200 (5.08)	6790	Square	±0.030 (±0.76)	
0.250 (6.35)	0.250 (6.35)	6791	Square	±0.040 (±1.01)	
0.130 (3.30)	0.250 (6.35)	6794	Rect.	±0.030 (±0.76)	
0.375 (9.53)	0.375 (9.53)	6793	Square	±0.060 (±1.52)	
0.140 (3.56)	0.500 (12.70)	6795	Rect.	±0.050 (±1.27)	
0.250 (6.35)	0.500 (12.70)	6797	Rect.	±0.060 (±1.52)	
0.375 (9.53)	0.500 (12.70)	6902	D	±0.060 (±1.52)	
0.100 (2.54)	0.140 (3.56)	6903	D	±0.030 (±0.76)	
0.250 (6.35)	0.375 (9.53)	6792	D	±0.040 (±1.01)	

**Figure 1 Typical Compression-Deflection**



**Figure 2 Typical Shielding Effectiveness**



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