

SOFT-SHIELD® 3500

Plated-Fabric Wrapped Foam

Economical EMI Shielding Gaskets for Electronics

DESCRIPTION

SOFT-SHIELD® 3500 Series low-closure force EMI gaskets are the newest addition to the Soft-shield family of products. SS3500 offers a cost competitive solution for EMI shielding in high volume commercial electronic applications. Gaskets consist of nickel-plated nylon wrapped around a urethane foam core. SOFT-SHIELD 3500 typically requires less than 1 lb/in (0.175 N/mm) closure force, making it effective for thin walled plastic enclosures.



SOFT-SHIELD 3500 gaskets are currently available in over 90 profiles. Dimensions of offered profiles are listed on the back of this bulletin. Contact the Chomerics samples department for availability of samples.

A full range of **SOFT-SHIELD** EMI gaskets is available for optimum solutions to different application needs.

APPLICATION

SOFT-SHIELD 3500 gaskets are supplied with pressure sensitive adhesive (PSA) for easy application.

Before mounting, flange surfaces should be cleaned with isopropyl alcohol (IPA) solvent. The gaskets can be removed for rework using a single-edged razor. **NOTE:** Alternate application processes are available; please contact Chomerics Applications Engineering at 781-935-4850 for assistance.

BENEFITS

- Low closure force
- Low cost
- Selection of commonly used profiles
- Available in standard lengths, cut-to-length, die-cut, and kiss-cut on sheets for peel and stick applications

Typical Properties	SOFT-SHIELD 3500	Test Method
Shielding Effectiveness, 50 MHz to 10 GHz	> 90(dB)	CHO-TM-TP08
35% Compression Deflection, lb/in (N/mm), [0.125 x 0.375 in. gasket]	< 1 (<0.175)	ASTM C165
Compression Set <ul style="list-style-type: none"> • Foam • Gasket assembly 	<10% <25%	ASTM D3574
Operating Temperature Range	-40° to 70° C	-
Adhesive Peel Strength, 90°b/inch (N/mm) [Min. value]	4 (0.7)	ASTM D1000

SOFT-SHIELD® 3500 Conductive Fabric-Over-Foam EMI Gaskets

ORDERING INFORMATION

Use **77-AB-YYYY-09600**

A: 0 – UL94-HB

1 – UL94V-0

B: 1 – No PSA Tape

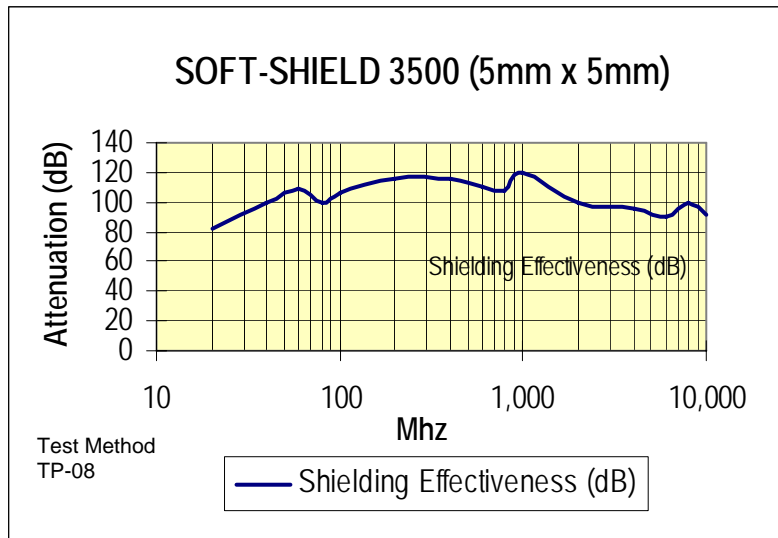
2 – PSA Tape

YYYY: Profile Number

Example P/N: 77-02-3102-09600

Standard length of strip is 96 in. (8 ft.)

Pricing is by the foot



Available Profiles (New profiles are being added. If you don't see what you need, call Chomerics Applications.)



Rectangle	Width Inch/(mm)		Height inch/(mm)	
3101	0.118	(3.0)	0.079	(2.0)
3102	0.118	(3.0)	0.118	(3.0)
3104	0.157	(4.0)	0.079	(2.0)
3106	0.157	(4.0)	0.118	(3.0)
3107	0.157	(4.0)	0.157	(4.0)
3108	0.189	(4.8)	0.126	(3.2)
3109	0.197	(5.0)	0.079	(2.0)
3110	0.197	(5.0)	0.098	(2.5)
3113	0.197	(5.0)	0.197	(5.0)
3120	0.236	(6.0)	0.079	(2.0)
3126	0.236	(6.0)	0.236	(6.0)
3128	0.252	(6.4)	0.126	(3.2)
3129	0.252	(6.4)	0.157	(4.0)
3130	0.256	(6.5)	0.157	(4.0)
3132	0.264	(6.7)	0.098	(2.5)
3133	0.276	(7.0)	0.079	(2.0)
3136	0.315	(8.0)	0.079	(2.0)
3138	0.315	(8.0)	0.157	(4.0)
3139	0.315	(8.0)	0.197	(5.0)
3148	0.374	(9.5)	0.126	(3.2)
3149	0.374	(9.5)	0.252	(6.4)
3150	0.374	(9.5)	0.374	(9.5)
3151	0.394	(10.0)	0.079	(2.0)
3154	0.394	(10.0)	0.157	(4.0)
3156	0.394	(10.0)	0.197	(5.0)
3159	0.394	(10.0)	0.315	(8.0)

Rectangle	Width Inch/(mm)		Height inch/(mm)	
3161	0.394	(10.0)	0.394	(10.0)
3164	0.472	(12.0)	0.079	(2.0)
3173	0.500	(12.7)	0.126	(3.2)
3174	0.500	(12.7)	0.252	(6.4)
3175	0.500	(12.7)	0.374	(9.5)
3176	0.500	(12.7)	0.500	(12.7)
3187	0.591	(15.0)	0.079	(2.0)
3190	0.591	(15.0)	0.196	(5.0)
3195	0.626	(15.9)	0.126	(3.2)
3298	0.197	(5.0)	0.138	(3.5)
3299	0.252	(6.4)	0.370	(9.4)
3270	0.252	(6.4)	0.252	(6.4)
3300	0.276	(7.0)	0.276	(7.0)
3311	0.295	(7.5)	0.197	(5.0)
3312	0.315	(8.0)	0.118	(3.0)
3313	0.315	(8.0)	0.394	(10.0)
3318	0.354	(9.0)	0.157	(4.0)
3322	0.394	(10.0)	0.217	(5.5)
3323	0.394	(10.0)	0.276	(7.0)
3329	0.394	(10.0)	0.787	(20.0)
3335	0.512	(13.0)	0.098	(2.5)
3336	0.512	(13.0)	0.138	(3.5)
3337	0.512	(13.0)	0.197	(5.0)
3339	0.512	(13.0)	0.276	(7.0)
3342	0.512	(13.0)	0.413	(10.5)
3358	0.787	(20.0)	0.394	(10.0)

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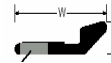
D-Shape	Width inch/(mm)		Height inch/(mm)	
3601	0.091	(2.3)	0.091	(2.3)
3602	0.091	(2.3)	0.126	(3.2)
3607	0.150	(3.8)	0.059	(1.5)
3608	0.150	(3.8)	0.118	(3.0)
3648	0.150	(3.8)	0.091	(2.3)
3610	0.197	(5.0)	0.078	(2.0)
3611	0.197	(5.0)	0.197	(5.0)
3617	0.256	(6.5)	0.197	(5.0)
3618	0.256	(6.5)	0.236	(6.0)
3649	0.236	(6.0)	0.157	(4.0)
3650	0.252	(6.4)	0.142	(3.6)
3616	0.256	(6.5)	0.134	(3.4)
3622	0.354	(9.0)	0.118	(3.0)
2624	0.374	(9.5)	0.126	(3.2)
3626	0.374	(9.5)	0.252	(6.4)
3628	0.394	(10.0)	0.079	(2.0)
3643	0.500	(12.7)	0.374	(9.5)



Flat Strip	Width inch/(mm)		Height inch/(mm)	
3211	0.118	(3.0)	0.039	(1.0)
3214	0.157	(4.0)	0.039	(1.0)
3216	0.197	(5.0)	0.002	(0.5)
3217	0.197	(5.0)	0.039	(1.0)
3219	0.197	(5.0)	0.059	(1.5)
3224	0.276	(7.0)	0.039	(1.0)
3226	0.276	(7.0)	0.059	(1.5)
3230	0.315	(8.0)	0.039	(1.0)
3232	0.394	(10.0)	0.020	(0.5)
3233	0.394	(10.0)	0.039	(1.0)
3234	0.394	(10.0)	0.047	(1.2)
3241	0.512	(13.0)	0.059	(1.5)
3268	0.157	(4.0)	0.020	(0.5)
3370	0.157	(4.0)	0.059	(1.5)
3392	0.512	(13.0)	0.039	(1.0)



C-Fold	Width inch/(mm)		Height inch/(mm)	
3803	0.315	(8.0)	0.315	(8.0)
3806	0.421	(10.7)	0.386	(9.8)
3830	0.421	(10.7)	0.465	(11.8)
3831	0.421	(10.7)	0.394	(10.0)
3807	0.579	(14.7)	0.673	(17.1)



Knife Edge	Width inch/(mm)		Height inch/(mm)	
3810	0.500	(12.7)	0.100	(2.5)
3811	0.752	(19.1)	0.252	(6.4)
3826	0.445	(11.3)	0.100	(2.5)
3808	0.492	(12.5)	0.137	(3.5)



P-Shape	Width inch/(mm)		Height inch/(mm)	
3816	0.520	(13.2)	0.130	(3.3)

I.O. (Wide)	Width inch/(mm)		Height inch/(mm)	
3244	0.709	(18.0)	0.079	(2.0)
3260	1.575	(40.0)	0.079	(2.0)
3261	1.575	(40.0)	0.126	(3.2)
3402	0.984	(25.0)	0.079	(2.0)

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