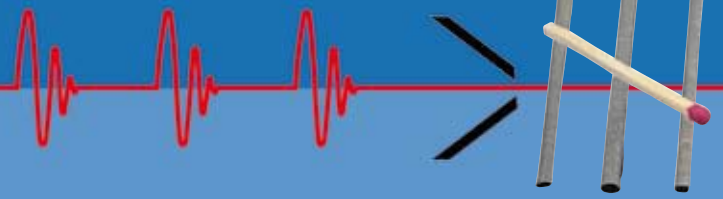


Standard Shield 7000

General purpose / screwed joints



Standard Shield 7000, with self-adhesive strip

Standard Shield 7000 series

Standard Shield 7000 is an economical HF gasket which can be supplied in a wide range of dimensions. It is very effective in combination with stainless steel, copper and chrome-plated constructions.

All gaskets can be provided with a (conductive) self-adhesive strip.

Standard Shield 7000 consists of a neoprene or PVC foam core covered with textile. This guarantees excellent shielding performance and it is very strong.

For special applications, different foam cores, conductive foils and fabrics are available.

Benefits

- Self-adhesive EMC gasket
- Easy to fit, can be cut with scissors
- Good water resistance
- Gasket can be die-cut (screw holes)
- Roll lengths of 50, 100, 250 or 1000 m
- High shielding performance
- Low closure force
- EXTREMELY STRONG
- Deflection 50%

Options

- Cut into specific lengths
- Can be made die cut or frame
- Combination with water seal
- UL94V-0 flame retardant foam core
- Chemical resistant rubbers like EPDM
- Silicone sponge for high temperatures up to 220°C
- Different conductive foils and fabrics

Specifications

- Foam core : Open-celled neoprene foam
- Surface resistance : <0.08 square ohms
- Surface material : Conductive fabric (Polyester + Cu, Ni) (part no. 4711) see page 37
- Operating temperature : - 20°C / + 80°C
- Environmental : RoHS Compliant

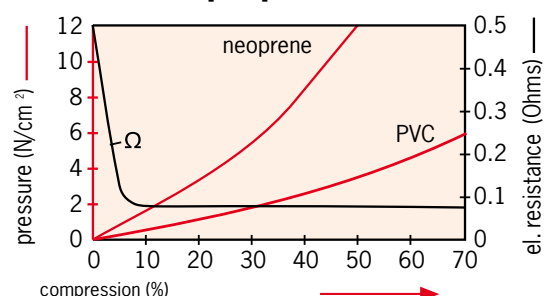
Shielding Performance

Frequency Hz	Mode	Screening dB
1M	E	115
10M	E	108
100M	E	102
400M	E	92
1G	P	90
10 G	P	87

Shielding effectiveness depends on surface, shape of gaskets and material used.

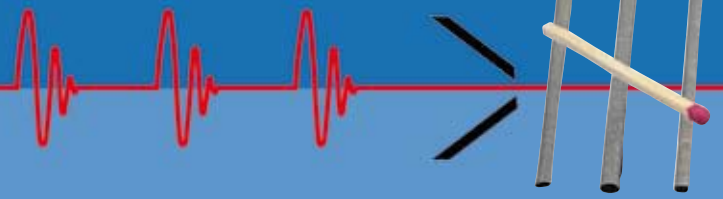
See Guarantee

Mechanical properties



Standard Shield 7000

For panels and screwed applications

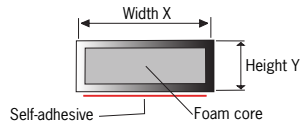


Adhesive specifications

(Standard type)

Our adhesive is a transparent double-sided tape consisting of a PP-film backing and a tackified acrylic adhesive.

- Backing material : PP film
- Color : Transparent
- Thickness of tape : 100 µm
- Type of adhesive : Tackified acrylic
- Elongation at break : 140 %
- Tensile strength : 20 N/cm
- Type of line : MOPP
- Thickness of liner : 80 µm
- Adhesion to steel : (after 14 days) 13,7 N/cm
- Adhesion to PET : (after 14 days) 8,5 N/cm



Dimensions

Height Y (mm)	Width X (mm)																
	1	2	3	4	5	6	7	8	9	10	12	15	18	20	25	32	50
1		7021	7031	7041	7051	7061	7071	7081	7091	70101	70121	70151	70181	70201	70251	70321	70501
2		7022	7032	7042	7052	7062	7072	7082	7092	70102	70122	70152	70182	70202	70252	70322	70502
3			7033	7043	7053	7063	7073	7083	7093	70103	70123	70153	70183	70203	70253	70323	70503
4				7044	7054	7064	7074	7084	7094	70104	70124	70154	70184	70204	70254	70324	70504
5					7055	7065	7075	7085	7095	70105	70125	70155	70185	70205	70255	70325	70505
6						7066	7076	7086	7096	70106	70126	70156	70186	70206	70256	70326	70506
8								7088	7098	70108	70128	70158	70188	70208	70258	70328	70508
9									7099	70109	70129	70159	70189	70209	70259	70329	70509
10										701010	701210	701810	701810	702010	702510	703210	705010
12											701212	701812	701812	702012	702512	703212	705012

Item numbers in **bold** are 98% stock items. Other dimensions on request.

EPDM rubber	700072	700068	700058	700064	700076	700051
Y x X mm	2 x 4 mm	3 x 6 mm	4 x 8 mm	8 x 12 mm	10 x 12 mm	16 x 20 mm
Y x X inch	.079" x .157"	.118" x .236"	.157" x .315"	.315" x .472"	.394" x .472"	.630" x .787"

Core specifications

(Standard Neoprene foam):

- Hardness shore 00 : 38-55 Sh 00
- Resistance when compressed : 25% 350-630 g/cm²
- Temperature °C (continuous) : - 40°C / + 85°C
- Temperature °C (peak) : 100°C
- Max. deformation (compressed) : 25%
- for 22 hrs at 70°C : 12%
- Recommended max. compression : 25%
- Resistance to cold : Good
- Resistance to air and ozone : Good
- Resistance to mineral oils : Good
- Resistance to vegetable oils : Good
- Resistance to acids : Good
- Resistance to chlorine solutions : Good
- Flame retardancy: : Self extinguishing

Ordering information

Example

Standard Shield 7000, 8 x 2 mm, standard self-adhesive placed in the middle, standard neoprene foam core: **7082-01-N**

Part number Tape code Foam code

7082 — **01** — **N**

- 01** : standard self-adhesive placed in the middle
- 02** : without self-adhesive
- 03** : with conductive self-adhesive (only recommended on small sizes)
- 06** : standard self-adhesive, asymmetrical
- 07** : standard self-adhesive placed on the side

- N** : standard neoprene foam
- E** : EPDM foam core
- P** : low closure force PVC foam, slow recovery
- F** : flame retardant UL94V-0 foam