



6800 - Amucor shield



Amucor Shield

Amucor Shield 6800 is an affordable HF gasket which can be supplied in a wide range of dimensions. The gasket is very effective in combination with zinc-plated steel and aluminium constructions.

All EMI gaskets can be provided with a conductive or non-conductive self-adhesive strip.

The Amucor Shield 6800 series consists of a neoprene or PVC foam core covered with reinforced foil based on an Amucor alloy. This construction guarantees excellent shielding performance and is remarkably strong.

Special applications, different foam cores, conductive foils and fabrics are also available.

If you would like to know more about the possibilities with this product, please contact us at info@hollandshielding.com

Shielding performance

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

Frequency Hz	Mode	Screening dB
1M	E	121
10M	E	110
100M	E	103
400M	E	98
1G	P	92
10G	P	89

These values are measured under laboratory conditions. Results may vary in other situations; please read our [Guarantee](#).

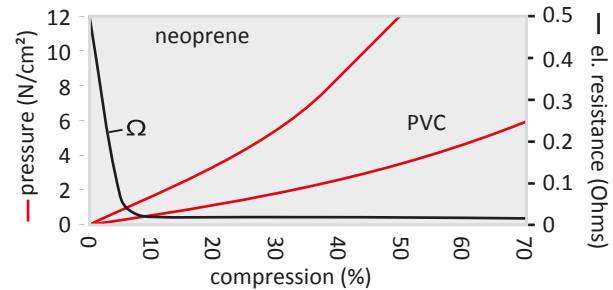
Benefits

- 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 1 to 1000 meters (depending on the EMI gasket's width and height)
- High shielding performance
- Low closure force
- EXTREMELY STRONG
- Deflection 50%

Options

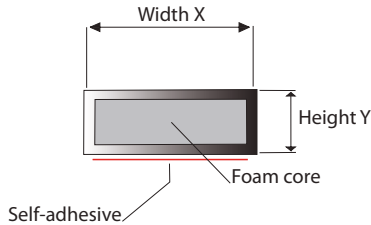
- Cut into accurate lengths
 - Can be made die-cut or as a [frame](#)
 - Combination with water seal
 - UL94V-0 flame-retardant foam core
 - Chemical resistant rubbers like EPDM
 - Silicone sponge for high temperatures up to 220°C
 - Various conductive foils and fabrics
 - With cutouts, so the gasket can be bent easily
- ([Click here for more information](#))

Mechanical properties



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Standard gasket dimensions



		Width X (mm)														
		2	3	4	5	6	7	8	10	12	15	18	20	25	32	50
Height Y (mm)	1	6821	6831	6841	6851	6861	6871	6881	68101	68121	68151	68181	68201	68251	68321	68501
	2	6822	6832	6842	6852	6862	6872	6882	68102	68122	68152	68182	68202	68252	68322	68502
	3		6833	6843	6853	6863	6873	6883	68103	68123	68153	68183	68203	68253	68323	68503
	4			6844	6854	6864	6874	6884	68104	68124	68154	68184	68204	68254	68324	68504
	5				6855	6865	6875	6885	68105	68125	68155	68185	68205	68255	68325	68505
	6					6866	6876	6886	68106	68126	68156	68186	68206	68256	68326	68506
	8						6878	6888	68108	68128	68158	68188	68208	68258	68328	68508
	10								681010	681210	681510	681810	682010	682510	683210	685010
	12									681212	681512	681812	682012	682512	683212	685012

Tape specification

- 01: Standard self-adhesive placed in the middle
- 02: Without self-adhesive
- 03: With conductive self-adhesive
(only recommended for small sizes)
- 06: Standard self-adhesive, asymmetrical
- 07: Standard self-adhesive placed on the side

Foam specification

- N** : Standard neoprene foam
- E** : EPDM foam core
- P** : Low closure force PVC foam, slow recovery
- F** : Flame-retardant UL94V-0 foam

For further tape specifications, see 6800 Amucor shield tape specifications (adhesive).

How to order

When you want to order the 6800 - Amucor shield series specify the following.

Part number	Type	Part number
6861	01	N
Please specify the type from the part number table above	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> N : Standard neoprene foam E : EPDM foam core P : PVC foam, slow recovery F : Flame retardant UL94V-0 foam



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tape specifications

Product description

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

The tape features especially:

- Secure bond on PE and PP
- Product can be easily cut with common hot wire systems

Main Applications

- Permanent bag sealing for PE/PP and polymer bags
- Permanent bag sealing for medical pouches

Technical Data

Backing material	PP Im
Colour	Transparent
Thickness of Tape	100 µm
Type of adhesive	Tackified acrylic
Elongation at break	140 %
Tensile strength	20 N/cm
Type of liner	MOPP
Colour of liner	red
Thickness of liner	80 µm
Weight of liner	72 g/m

Properties

Static shear resistance at 23°C	+
Static shear resistance at 40°C	+
Tack	+
Resistance to chemicals	+
Ageing resistance (UV)	++
Humidity resistance	++
Temperature resistance (short & long term)	150 & 80 °C
Softener resistance	o

++ very good, + good, o medium, - low

Adhesion to

Adhesion to Steel	(initial)8.7 N/cm
Adhesion to ABS	(initial)7.9 N/cm
Adhesion to Aluminium	(initial)6.6 N/cm
Adhesion to PC	(initial)8.5 N/cm
Adhesion to PE	(initial)3.5 N/cm
Adhesion to PET	(initial)6 N/cm
Adhesion to PP	(initial)5.1 N/cm
Adhesion to PS	(initial)7.2 N/cm
Adhesion to PVC	(initial)6.8 N/cm
Adhesion to Steel	(after 14 days)13.7 N/cm
Adhesion to ABS	(after 14 days)10.7 N/cm
Adhesion to Aluminium	(after 14 days)9.7 N/cm
Adhesion to PC	(after 14 days)11.3 N/cm
Adhesion to PE	(after 14 days)4.3 N/cm
Adhesion to PET	(after 14 days)8.5 N/cm
Adhesion to PP	(after 14 days)6.2 N/cm
Adhesion to PS	(after 14 days)10.7 N/cm
Adhesion to PVC	(after 14 days)11.5 N/cm

The information on this sheet has been compiled from the results of various test data. This publication however, cannot be considered as a commitment or as a written guarantee. The information presented cannot replace the necessity of serious testing of the product in its actual application.