

TECHNICAL SPECIFICATION

EMI gaskets with conductive fabric over foam core



Description:

EMI gaskets, noted for their high level of compressibility, obtained by combining expanded materials with different elastic recoveries and different conductive fabric cladding. The fabric-reinforced gaskets originate from the combination of an electrically conductive fabric that wraps a core in expanded polyurethane, neoprene or silicone. These gaskets are furnished with double-sided adhesive mounting tape. The standard geometries are those represented in the figure.

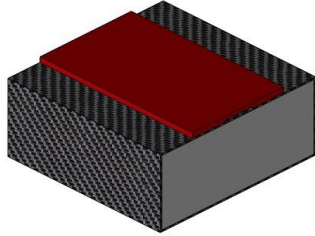
Applications:

Shielding of electric and telecommunications lockers, and containers, etc., above all if there is a low compression resistance needed.

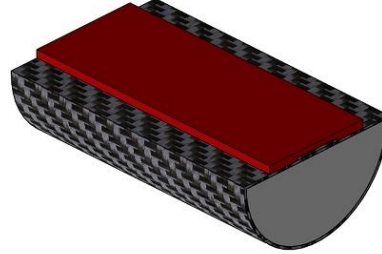
Provision:

In spools, in pieces cut to size or by rectangular section cut to plan.

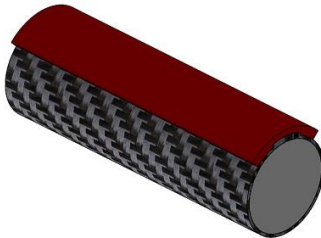
1. SANDARD PROFILE TYPE



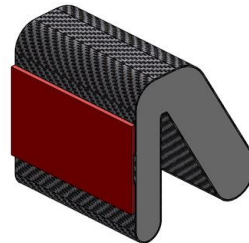
Shape "R"



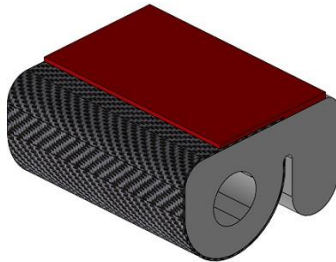
Shape "D"



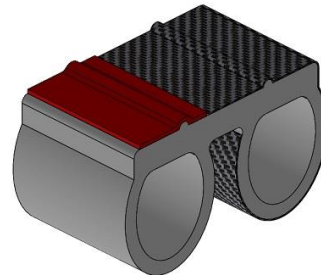
Shape "O"



Shape "V"



Shape "B"



Shape "B"

Tolerances of the product are defined according to "IO.85.1 Rev.0 - Documento Tecnico di Transcodifica".

For standard profiles dimensions see page 4.

Other profiles are available on request.

2. ELASTOMER TYPE

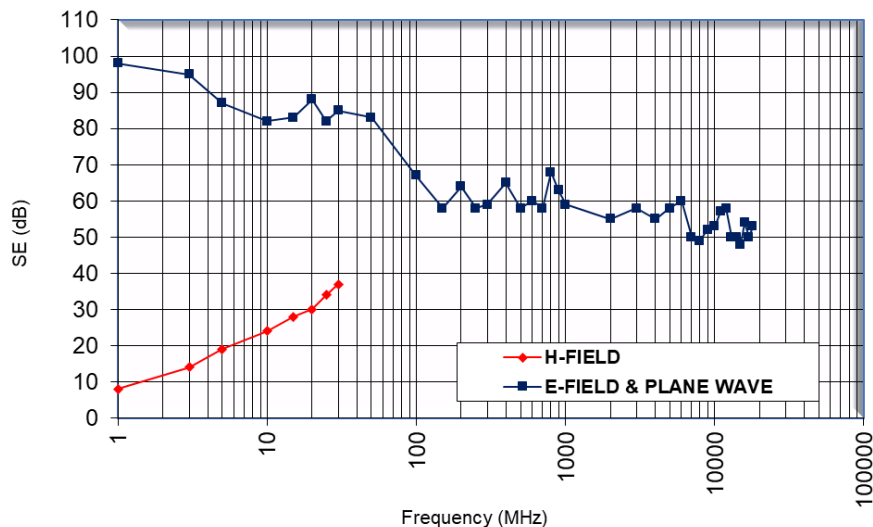
Material	EPDM Sponge EDPM-cr	Neoprene Sponge cr201	Neoprene Sponge cr205	Socaprene	Polyurethane sponge: D20	Polyurethane sponge: D60 UL94 HBF	Polyurethane sponge: D90
Code	EPDM341	N201	N205	CIG3	PU20	PU60	PU90
Color	Black	Black	Black	Gray	White	Dark gray	Dark gray
Density	110-150 kg/m3	120-200 kg/m3	210-300 kg/m3	170-220 kg/m3	21 kg/m3	60-65 kg/m3	70-95 kg/m3
Hardness	20-40 SH 00	40-55 SH 00	45-65 SH 00	38-55 SH 00	/	/	/
Compression Resistance	15/35 Kpa (25% 22 h Room T.)	20/63 kPa (25% 22 h Room T.)	63/91 kPa (25% 22 h Room T.)	35/63 kPa (25% 22 h Room T.)	3.7/5 kPa (25% 22 h Room T.)	6,0 kPa (40%)	2,0 kPa (50%)
Flame resistance	HBF >4mm (UL94)	94 HF1 >2mm (UL94)	94 HB (UL94)	94 V0 >4mm (UL94)	UL94 HF1 – MVSS302 SE	94 HBF (UL94)	/
Using temperature (in continue)	From -50 to +100°C	From -40 to +100°C	From -40 to +85°C	From -40 to +85°C	From -40 to +100°C	From -40 to +120°C	From -40 to +120°C

3. FABRIC TYPE

- **STATIC CLEAN** (cod.: SC)
- **GALILEO** (cod.: GA)

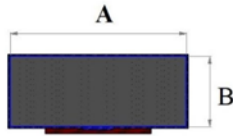
SHIELDING EFFECTIVENESS (1 MHz - 18 GHz)

Test Report RP3405 - IEEE STD 299(1997)



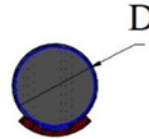
Sample size: 10mm (W) x 5 mm (H)

4. STANDARD PROFILES DIMENSIONS



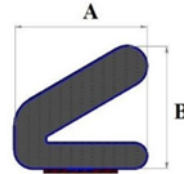
Shape "R"

A	B	Adhesive Widht
4,5	3	2,5 - 3 - 3,5
5	2	3
6	3	3 - 4
6	4	3 - 4
7	2	4 - 6
8	3	3 - 4 - 6
9	6	4 - 6
10	2	4 - 6
10	4	4 - 6
10	11	6
10	12	6
12	10	6
13	4	6
13	6	6
14	2	6
14	8	6
14	12	6
15	2	4 - 6
15	3	4 - 6
15	6	6
15	7	6
15	8	6
15	9	6
17	10	6 - 9
19	2	6 - 9
20	3	6 - 9
20	8	6 - 9
20	16	6 - 9
30	30	9
3	3	2,5
5	5	3 - 4
6	6	3 - 4
7	7	3 - 4
8	8	4 - 6
9	9	4 - 6
10	10	4 - 6
12	12	4 - 6
13	13	4 - 6



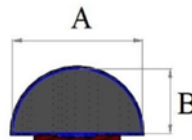
Shape "O"

D	Adhesive Widht
3	3 - 4



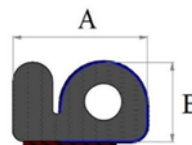
Shape "V"

A	B	Adhesive Widht
10,7	9,8	6
10,7	11,8	6



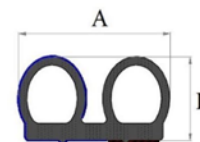
Shape "D"

A	B	Adhesive Widht
2,2	2,5	2,5
2,4	2,9	2,5
3,8	3	2,5
4	3,5	2,5 - 3
6	3	3 - 4
9	6	4 - 6
12	4	6
12	6	6



Shape "B"

A	B	Adhesive Widht
8,7	5,1	6



Shape "B"

A	B	Adhesive Widht
18	10	3 - 6

Other dimensions of profiles and adhesive are available on request.

5. SIDE WITH ADHESIVE

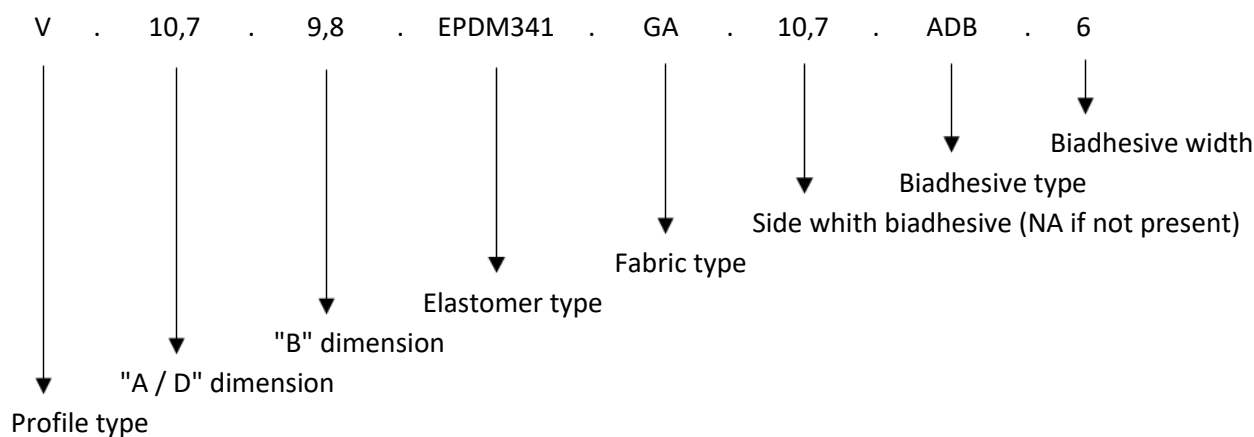
The three numbers after the type of fabric, if present, indicate the sides with the adhesive. Possible without adhesive.

6. STANDARD BIADHESIVE TAPE TYPE

Code	Material	Width	Adhesive	Temperature range
ADO	ORABOND	2,5 mm	Modified acrylic	-40° to +160° C
ADB	TESA 4914	3 and 4 mm	Modified acrylic	Up to +200° C
ADB	TESA 4965	6 and 9 mm	Modified acrylic	Up to +200° C

Other type of adhesive are available on request.

ARTICLE DEFINITION FOR ORDER:



The data in this data sheet are purely indicative and refer to the sample tested in laboratory , therefore we recommend our customers to carry out their own checks in order to determine the conformity of our article in respect to their own needs before any further processing.