

FRAME GASKET (EMC/IP) 8100

For EMI shielding of panels and screwed applications like displays, windows, and honeycomb vents



The 8100 Frame gaskets series are ready-made gaskets according to customer specifications. They have reinforced corner pieces to guarantee optimum shielding performance and easy mounting characteristics.

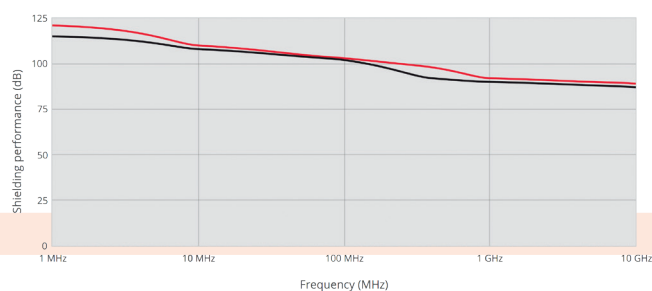
The base material is Amucor-shield 6800 series, Standard shield 7000 series or Ultra soft shield 7400 series.

The gasket can be produced with or without self-adhesive. When the gasket has little contact surface we recommend providing the gasket with an electrically conductive self-adhesive.

NEOPRENE CORE SPECIFICATIONS

Volume weight	140 / 180 kg / m ³ /
Hardness shore 00	38-55 Sh 00
Resistance when compressed	25% 350-630 g / cm ²
Temperature °C	-40° + 100°
Water absorption	< 5%
Linear shrinkage (22hr 70°C)	< 5%
Max. deformation when compressed	25%, 22 hrs at 70°C 12%
Recommend max. compression	25%

SHIELDING PERFORMANCE*



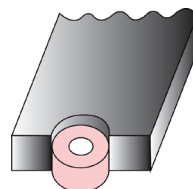
■ Amucor shield dB
■ Conductive fabric shielding dB

BENEFITS

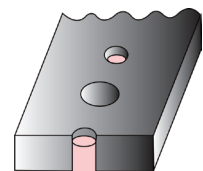
- Easy mounting
- High shielding performance
- No tools required
- Dimensions up to 2 x 2 m
- Low closure force
- EXTREMELY STRONG
- Can be supplied with self-adhesive

COMPRESSION STOPS (OPTIONAL)

Disc or washer-type compression stops can be included to prevent over compression.



Washer type
Used at bolt holes



Disk type
Used next to bolt holes

SHIELDING PERFORMANCE

The product's shielding performance depends on the chosen outer material (i.e. the conductive material). The 8100 series Frame gasket can be made with Amucor (Aluminum alloy) or conductive textile (very effective in combination with stainless steel, copper and chrome-plated constructions).



8100 Frame gasket; Amucor version with neoprene core.



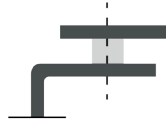
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VARIOUS USES

Examples of different uses for the frame gasket
(The solid Gray part is the water seal)



1. Frame gasket used in a flat lid on a curved housing construction

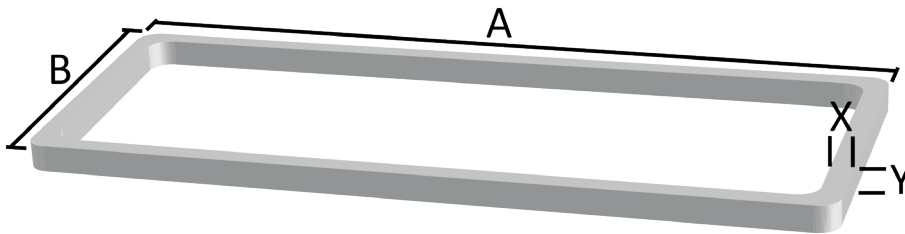


2. Frame gasket used in a curved lid on a curved housing construction



3. Frame gasket used in a groove

TECHNICAL DRAWING STANDARDS



If you send us a drawing, please include the dimensions shown above.

ORDER EXAMPLE

Part number	Gasket width (mm) A	Gasket length (mm) B	Frame width (mm) X	Frame thickness (mm) Y	Core material
8100 : Frame gasket Amucor version 8101 : Frame gasket Conductive textile version	Specify the width of the gasket in mm	Specify the length of the gasket in mm	Specify the width of the frame in mm	Specify the frame thickness in mm	N : Neoprene P : Low closure force PVC foam E : EPDM F : Flame retardant UL94V-0 foam S : Silicone foam L : Polyurethane foam (ultra soft)
				Adhesive 01 : Standard self-adhesive 02 : Without self-adhesive 03 : With conductive self-adhesive	

