HIGH TEMPERATURE RESISTANT EMI GASKET 7100

Same as the 7100 series Standard Shield gaskets but then resistant up to peak temperatures of 135 °C

This series is a HF shielding gasket with high shielding performance and extremely low closure force. This prevents deflection of doors/parts, which improves shielding effectiveness. It is very effective in combination with stainless steel and metals.

The core consists of a high-grade FUBA foam which is an EPDM foam covered with high conductive wear & tear resistant metallized fabric. This EMI gasket is used in large scale in automotive production up to 135 °C.

FUBA FOAM GENERAL DESCRIPTION

FUBA foam is a semi-closed cell EPDM foam with excellent sealing properties. The semi-closed cell structure combines the flexibility of open cell types with the excellent sealing capabilities of closed cell types (after compression). This unique foam can be laminated with advanced adhesive technology to seal (complex) gaps against water, wind, dust, noise and heat.

FUBA FOAM CHARACTERISTICS

Good resistance to UV, humidity, high and low temperatures and chemicals (such as acids and alkalis). The flexibility of the foam makes sure that the optimal sealing performance is obtained, even with expansion or contraction of the structure caused by temperature changes. Thanks to the low compression load the foam will never deform the structure after application.

Combined with advanced adhesive technology, the foam can be applied on greasy, rough, smooth, and low energy surfaces. No heavy metals (such as cadmium) or regulated substances (such as CFC's and halogen gases) are used during the manufacturing process nor in the product itself. FUBA foam can be disposed of by incineration.

FEATURES

- Semi-closed cell structure
- Good UV resistance
- Good weather-ability
- Low compression load
- Very high electrical conductivity
- High shielding performance
- Roll length of 1 until 1000 meters (Depending on width and height of the EMI gasket).
- Easy to fit with self-adhesive
- High abrasion resistance
- Can be cut wit a pair of scissors
- Because the FUBA foam series is so soft, it is easy to bend around corners

TAPE SPECIFICATION

- With standard self-adhesive placed in the middle
- Without self-adhesive
- With conductive self-adhesive
- Standard self-adhesive, asymmetrical
- Standard self-adhesive placed on the side

APPLICATION

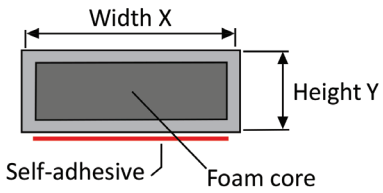
FUBA foam gaskets are especially designed to seal (complex) gaps against electrical noise and heat. Depending on the applications, the EMI gasket needs to be compressed between 50-80% to activate its sealing properties. Automotive- sealing of HVAC unit, dashboard, air duct, glass run, fire wall. Building and construction- sealing of exterior panel joints, solar panels. Industrial- sealing of air-conditioners, mobile phones, refrigerators.

» 7100 HIGH TEMPERATURE RESISTANT EMI GASKET

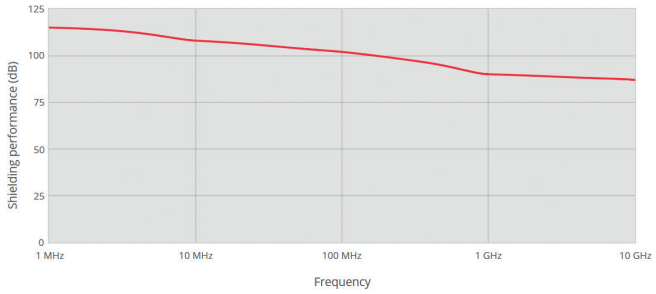
FUBA FOAM CORE SPECIFICATIONS

Properties	Value	Standard
Density	95 kg/m³	ISO 845
Thickness	3-30mm	
Temperature- service (continuous)	-40 to 135 °C	
Temperature max	180 °C	
Compression load (50%)	5 kPa	ISO 844
Elongation	430 %	ISO 1798
Elongation- acid (1% H2SO4)	430 %	Immersion at 20 °C for 7 days
Elongation- alkaline (1% NaOH)	390 %	Immersion at 20 °C for 7 days
Elongation- initial	430 %	Immersion at 20 °C for 7 days
Tensile strength- acid (1% H2SO4)	81 kPa	Immersion at 20 °C for 7 days
Tensile strength	90 kPa	ISO 1798
Tensile strength- alkaline (1% NaOH)	77 kPa	Immersion at 20 °C for 7 days
Tensile strength- initial	90 kPa	Immersion at 20 °C for 7 days
Water absorption	ISO 2896	
Flammability	Pass	FMVSS 302
Weather ability	Excellent	
High deflection	Up to 65 %	

TECHNICAL DRAWING



SHIELDING PERFORMANCE*



ORDER EXAMPLE

Series	Width X (mm)	Height Y (mm)	Tape code	Length (meters)
7100	Specify the width of the gasket in mm	Specify the height of the gasket in mm	**01 :** Standard self-adhesive placed in the middle **02 :** Without self-adhesive **03 :** With conductive self-adhesive (only recommended on less than 3mm sizes) **06 :** Standard self-adhesive, asymmetrical **07 :** Standard self-adhesive placed on the side	

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