

## EMI Gaskets with conductive fabric or aluminium foil

Our standard gaskets have a **polyurethane foam core** which is available in three different hardness values (soft, medium and hard). The foam core is covered with a **conductive fabric with a copper-nickel metal coating**. On request the core can also be covered with aluminium foil or other metal coated fabrics.

### Production in our own plants

ABC fabric and aluminium over foam are manufactured in our own production plants in Germany and Asia.

We hold a **UL94-V0** certification for our gaskets.

Our **standard range** includes a large range of sizes and shapes. **Customized dimensions** can be supplied at low cost at any time. The material can also be cut to the length you require or modified to suit your individual needs.

Our profiles are fitted with **non-conductive adhesive tape** as standard. The following other versions are available to order and for special applications:

- Gaskets with **conductive adhesive tape**
- **Several** adhesive tapes on a single profile
- Adhesive tapes with removal aid (**Wide Release Liner**)
- Small and miniature parts assembled on self adhesive paper (STP)



Different gaskets

The fabric and aluminium over foam comply with the **statutory RoHS regulations** as do all of our other products.

## Extensive possible uses

Fabric and aluminium gaskets with a foam core can be used for a **wide range of applications** and are suitable for the following:



D-Shape profiles

- to compensate tolerances and unevenness in housing parts.
- to bridge large gaps in the housing.
- to connect a circuit board to the housing.
- to interconnect several metal parts in the housing.
- to connect shielding components to the housing (for example for monitors).
- to connect LCD displays to the housing.
- to connect socket and plug casings to the device housing.
- to discharge electronic charges.

## Performance features of our gaskets

In addition to their **excellent shielding effectiveness** (as high as over 80 dB @ 100 MHz – 18 GHz), our seals offer you the following benefits:

- They are **easy to work** and can be cut with a pair of scissors.
- They offer **high resistance to wear**.
- **Less connection elements** are required between the housing components (thus reducing costs).
- **Low contact pressure forces** mean that thinner metal plates can be used, which in turn reduces costs.
- They have **low surface resistance** (< 0.08 Ohm).
- Seals are a **cost-saving** method of shielding.

## Tolerances

Width and height	0,5 - 6,3 mm	+/- 0,5 mm
	6,3 - 10,0 mm	+/- 0,7 mm
	10,0 - 16,0 mm	+/- 0,8 mm
	16,0 - 25,0 mm	+/- 1,0 mm

	25,0 - 40,0 mm	+/- 1,3 mm
	40,0 - 63,0 mm	+/- 1,6 mm
<b>Length</b>	5 - 150 mm	+/- 0,8 mm
	151 - 300 mm	+/- 1,3 mm
	301 - 1.200 mm	+/- 2,5 mm
	1.201 - 1.750 mm	+/- 4,7 mm
	1.751 - 2.300 mm	+/- 6,4 mm