

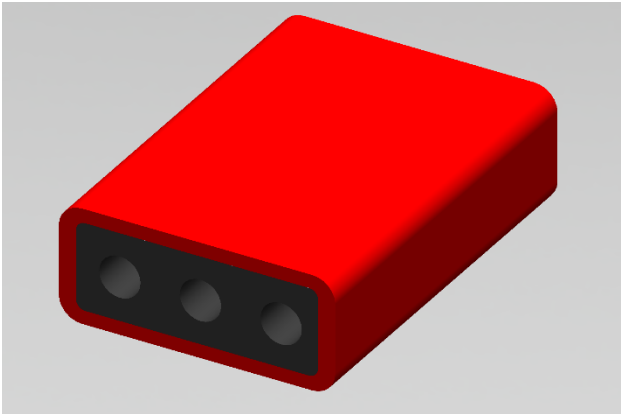
# COEXTRUDED ELASTOMERE PROFILE

## SCE-12,00x5,00-YYYY

Coextruded elastomere profiles consist of a conductive and a non-conductive component. They are produced in a single extrusion process and offer very good EMC shielding properties as well as high protection against environmental influences.

Coextruded elastomers are produced according to customer requirements. Various shapes are available. Fluorsilicone can also be used for applications with oil or fuels.

- Combi-gasket for EMC and environmental protection
- Highest environmental protection (up to IP68) of the non-conductive area
- Use of Fluorsilicone if material should be resistant against aggressive substances
- Cost-effective solution compared to two separate gaskets
- Customer-specific manufacturing
- Halogen-free



## PRODUCT SPECIFICATIONS

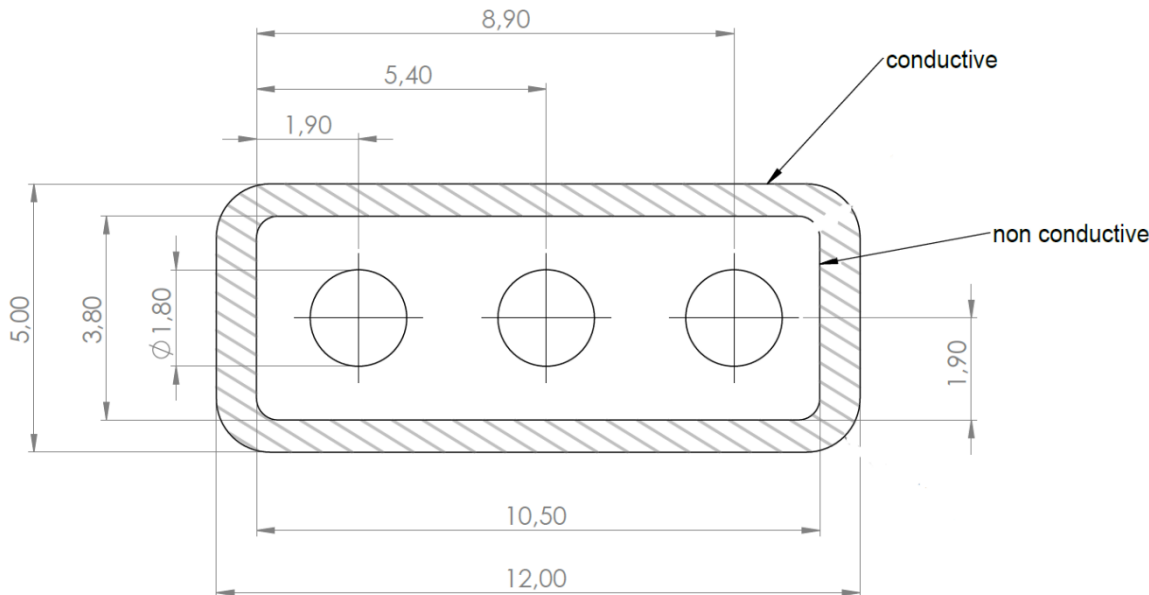
| PROPERTY                               | VALUE / TOLERANCE             |                              | TEST METHOD |
|----------------------------------------|-------------------------------|------------------------------|-------------|
| Basic rubber material (non-conductive) | Silicone                      | Fluorsilicone                | -           |
| Hardness                               | 50 ± 3 Shore A                | 70 ± 5 Shore A               | ASTM D2240  |
| Density                                | 1,14 ± 0,03 g/cm <sup>3</sup> | 1,43 ± 0,2 g/cm <sup>3</sup> | ASTM D792   |
| Tensile strenght                       | 7,5 MPa                       | Min. 9 MPa                   | ASTM D412   |
| Elongation at break (min)              | 450 %                         | Min. 200 %                   | ASTM D412   |
| Tear strenght                          | 16 kN/m                       | Min. 16 kN/m                 | ASTM D624   |
| Operating temperature                  | -60 – 250 °C                  | -55 – 200 °C                 | ASTM D1392  |
| Flammability rating                    | HB                            | HB                           | UL94        |
| Halogen-free                           | Yes                           | Yes                          | -           |

## TOLERANCES

| CROSS SECTION (mm) | TOLERANCE (mm) | CUT LENGTH (mm) | TOLERANCE (mm) |
|--------------------|----------------|-----------------|----------------|
| ≤ 1,57             | ± 0,13         | ≤ 25,4          | ± 0,50         |
| 1,57 – 9,0         | ± 0,20         | 25,4 – 400      | ± 1            |
| 9,0 – 12,7         | ± 0,25         | > 400           | ± 0,2%         |
| > 12,7             | ± 3%           |                 |                |

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SCE-12,00x5,00-YYYY

DIMENSIONS (mm)



BUILDING AN ITEM NUMBER

XXX-12,00x5,00-YYYY

|      |                          |
|------|--------------------------|
| SCE  | Silicone coextruded      |
| FSCE | Fluorsilicone coextruded |

|       |            |
|-------|------------|
| 12,00 | Width (mm) |
|-------|------------|

|      |             |
|------|-------------|
| 5,00 | Height (mm) |
|------|-------------|

|      |                        |
|------|------------------------|
| AGAL | Silver plated Aluminum |
| AGCU | Silver plated Copper   |
| AGGL | Silver plated Glass*   |
| NIC  | Nickel plated Graphite |

\* Combination of AGGL and Fluorsilicone is not possible

EXAMPLE

SCE-12,00x5,00-AGCU  
Silicone coextruded; width: 12,00mm; height: 5,00mm; Filler Material:  
Silver plated Copper