

### Conductive Sponge Material

EMCEMI's own conductive sponge material is made of a conductive polyurethane sponge with a conductive fabric bonded to each face. It is available in 1.5mm, 2.5mm & 3.5mm thicknesses. The material also has the option of being supplied with or without a conductive adhesive backing. The material is highly conductive in the X,Y & Z axis with a typical resistance of less than 1 Ohm.



The material is available in sheet form or in die cut or fabricated gaskets, depending on your requirements.



### How to order

**Part Number:**

CS-15-XXXX-XXXX-X

CS-25-XXXX-XXXX-X

CS-35-XXXX-XXXX-X

XXXX-XXXX = Size in MM

**CS** = Conductive Sponge

15 = 1.5mm thick

25 = 2.5mm thick

35 = 3.5mm thick

1 = S/A backing

2 = No S/A Backing

Tolerance = +/- 0.3mm

### Shielding Performance

Frequency	Attenuation
10KHz	>60
100MHz	>60
400MHz	>60
1GHz	>60
3GHz	>60

### Specification

Material Property	Value
Thickness	1.0 - 3.5mm
Width	up to 1200mm
Availability	Sheet form or cut gaskets
Temperature Range	-40 to +70°C
Decomposing Temp	200°C
Self-Igniting Temp	>250°C
Colour	Grey
Surface Resistivity	<0.2Ω <sup>2</sup>
Metal Adhesion	Good