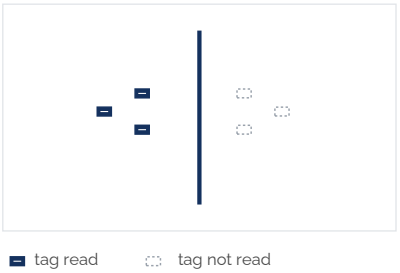
ISO 770 · Opaque shielding mesh

Flexible, bronze-toned opaque conductive mesh designed for integration into shielding assemblies.



Technical characteristics

- Mass per unit area: 80 ± 10 g/m² (GB/T 4669-1995)
- Thickness: 0.08 ± 0.01 mm (FZ/T 01003-1991)
- Width: 1,300 ± 5 mm (GB/T 4667-1995)
- Length: as specified (GB/T 4666-1995)
- Density: 260 ± 10 T (ASTM D3775)
- Surface resistance: ≤ 0.05 Ω/sq (ASTM F390)
- Salt spray resistance: < 0.5 Ω/sq after 48 h at 35 °C (ASTM B117-03)
- Metal adhesion: grade ≥ 4

Storage and transport

- Shelf life: 24 months
- Temperature: –20 to +40 °C
- Relative humidity: ≤ 65 %
- Store in a dry place away from direct light
- Protect from moisture and impact
- Do not store under heavy loads

RF performance

71 to 81 dB at 863 and 915 MHz.
93.5 dB at 13.56 MHz in magnetic field.

Detailed measurements, EN 50147-1:1996 method

Plane wave

Frequency	Vertical polarisation	Horizontal polarisation
863 MHz	71.27 dB	81.2 dB
915 MHz	75.23 dB	78.83 dB

Magnetic field

13.56 MHz	93.53 dB

Measurements carried out by the Emitech laboratory on ISO 770, report RCE-EMIESS21-C228-ISO-1 (00).