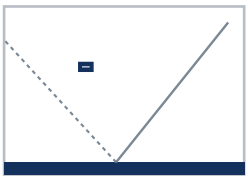
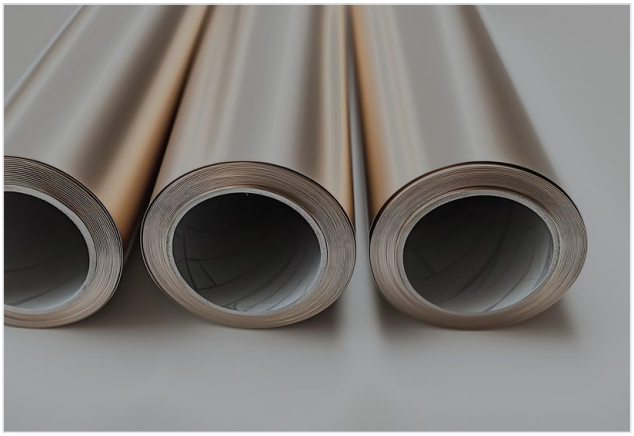
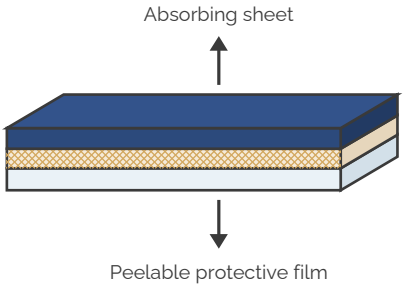
ISO 52 · RF absorber

Reduces RF reflections inside a metal volume or in contact with a conductive surface.







Schematic diagram

Description

Flexible self-adhesive sheet loaded with magnetic metal powder in a polymer matrix. It absorbs part of the RF energy to reduce reflections inside an enclosed volume or near a conductive surface.

For RFID applications, ISO 52 combines a thin profile, flexibility and ease of integration thanks to its self-adhesive backing. It can be applied to the inner walls of a reading enclosure or between a tag and a metal surface.

Applications

Inner walls of reading enclosures · decoupling a tag from a metal surface · integration into compact volumes · other applications requiring absorption of part of the RF energy.

Characteristics

- Standard width: 300 mm
- Standard lengths: 20 m, 50 m or 100 m
- Width up to 450 mm on request
- Self-adhesive backing as standard
- Non-adhesive version available on request
- Thickness: 0.03 to 0.5 mm ± 10 %
- Magnetic permeability μ' at 1 MHz: 220 ± 10 %
- Operating frequency range: 10 MHz to 6 GHz
- Density: 3.5 ± 0.3 g/cm^3
- Surface resistance: ≥ 10,000 Ω
- Operating temperature: −40 to +120 °C
- Halogen-free, RoHS compliant
- Shelf life: 12 months, 15 to 35 °C, RH ≤ 65 %