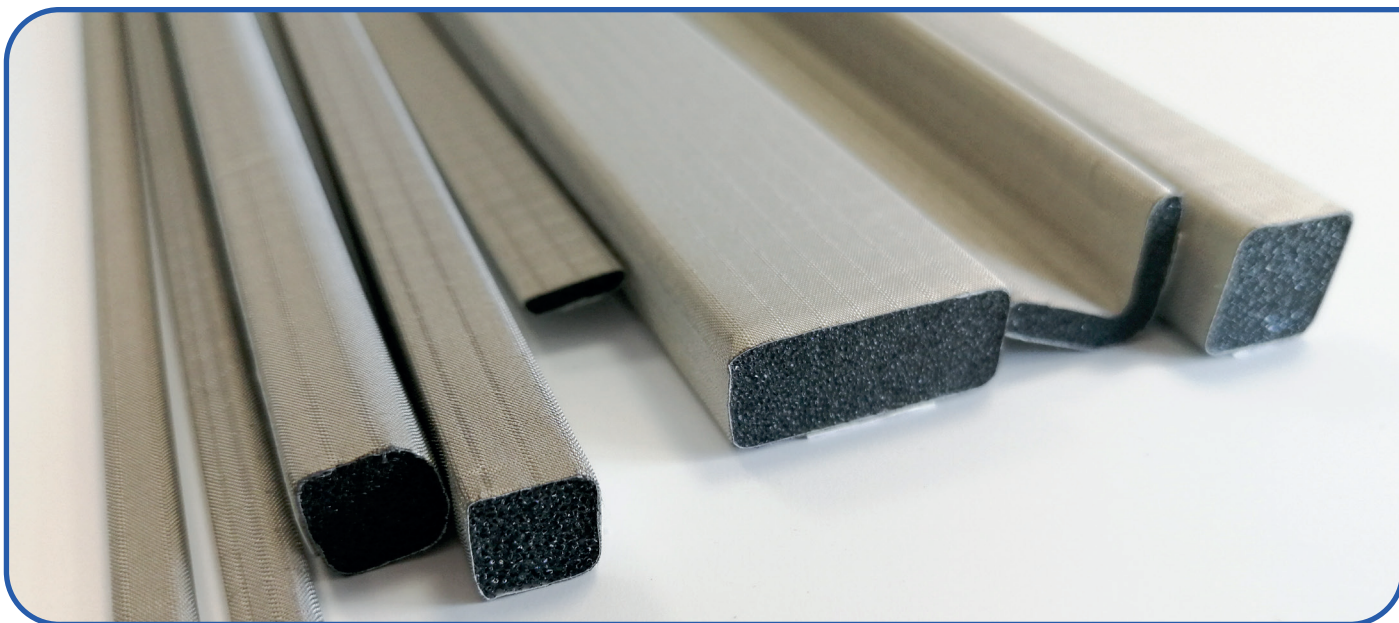


ISO J 213

RFID SHIELDING ADHESIVE GASKET



GENERAL DESCRIPTION

ISO J 213 is an electromagnetic shielding gasket designed to limit the propagation of RFID waves in sensitive areas. Based on the original gasket provided by the client, Isocover manufactures a custom replica in a shielded version, maintaining the same shape, flexibility, and mechanical properties as the original part. Its structure, made of conductive foam or flexible PVC coated with a Ni/Cu/Ni metallized fabric, absorbs and attenuates electromagnetic fields in gaps, junctions, and confined zones where films or coatings alone are not sufficient.

COMPOSITION

- Core: choice between flexible PVC or conductive polyurethane foam (density $45 \pm 3 \text{ kg/m}^3$), depending on the original model.
- Coating: Ni/Cu/Ni metallized polyester fabric (other alloys available).
- Adhesive: double-sided (PSA) for simple and clean installation.

KEY CHARACTERISTICS

- Electromagnetic attenuation: up to 100 dB (30 MHz to 1 GHz).
- Very high efficiency in RFID UHF (860–960 MHz) and HF (13.56 MHz) bands.
- Surface resistivity: $< 0.1 \Omega$.
- Excellent abrasion resistance (metallized Rip-Stop fabric).
- Operating temperature: -20°C to $+100^\circ\text{C}$.
- Fire rating: UL94 HB.
- Compliant with REACH and RoHS directives.
- Packaging: custom-made according to project requirements.

KEY BENEFITS

- Effective blocking of RFID wave leakage at junction points.
- Quick and tailor-made installation without mechanical constraint.
- Excellent long-term stability.
- Flexible and versatile solution, adaptable to complex geometries.
- Improves overall RFID system performance through local signal confinement.