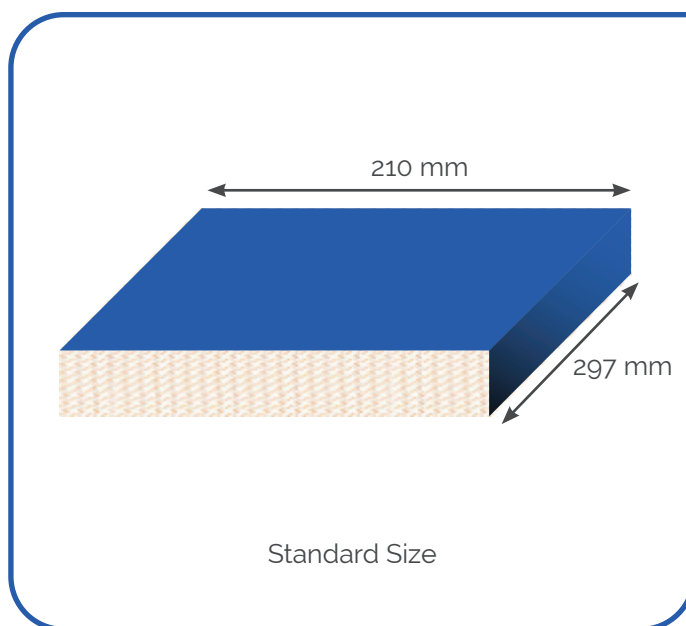
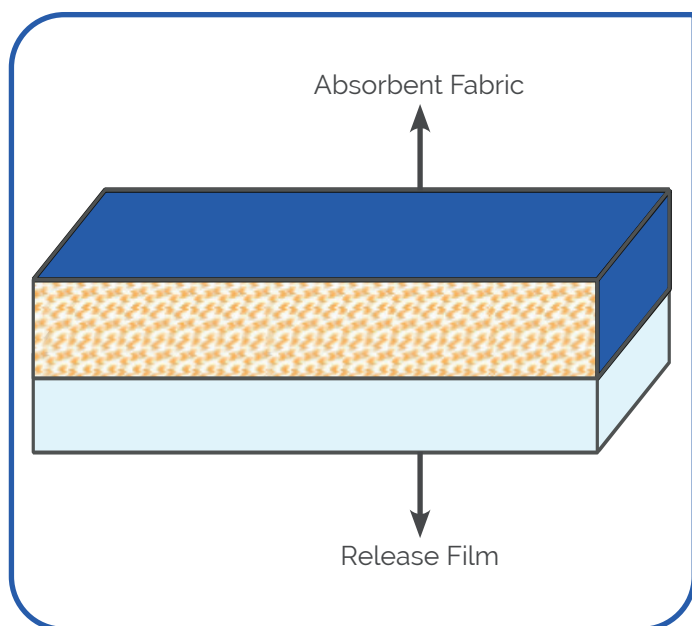


ISO 52

RFID WAVE ABSORBING MATERIAL



DESCRIPTION

The RFID wave absorber ISO 52 is composed of magnetic metal powder as the absorbing material and polymer rubber, plastic, or resin as the matrix. Through a specific process, it ensures effective absorption even in the presence of strong magnetic flux.

APPLICATIONS

Mainly designed for RFID technology, ISO 52 is also used in other areas of electromagnetic interference reduction:

- » WPC.
- » Mobile phones.
- » Cameras.
- » Various electronic devices.

ADVANTAGES

- High magnetic conductivity.
- Excellent absorption capacity.
- Effective reduction of electromagnetic interference.
- Lightweight and flexible.
- Environmentally friendly material (halogen-free).
- Can be fixed with glue or double-sided adhesive version.

STANDARD FORMAT

Roll of 30 cm x 100 m.

RFID WAVE ABSORBING MATERIAL

MAIN CHARACTERISTICS

- Absorbing fabric thickness: 0.03 to 0.5 mm ($\pm 10\%$) - ASTM D374.
- Double-sided adhesive thickness: 0.01 to 0.05 mm ($\pm 10\%$) - ASTM D3652.
- Magnetic permeability (μ') @1 MHz: 220 $\pm 10\%$ - Agilent E4991B.
- Surface resistance: $\geq 1 \times 10^4 \Omega$ - SJ/T10694-2006.
- Density: 3.5 ± 0.3 g/cm³ - ASTM D792.
- Operating temperature: -40 °C to +120 °C.
- Operating frequency: 10 MHz to 6 GHz.
- Environmental compliance: halogen-free, RoHS compliant.

NOTES

- Thickness available from 0.03 mm, width 300 mm.
- Double-sided adhesive available (0.01 to 0.05 mm).
- Data are typical lab results, provided for reference only.
- Product coding example: SY-NM25020-A01
 - » NM series.
 - » Permeability: 250.
 - » Thickness: 0.2 mm.
 - » Back adhesive thickness: 0.01 mm.

STORAGE CONDITIONS

- Best used within 12 months.
- Storage temperature: 15 to 35 °C.
- Relative humidity: 0 to 65% RH.
- Recommended storage: in packaging case.

DISCLAIMER

Users are advised to perform an adaptability test before formal use. Due to the diversity of applications, the company does not guarantee the absence of issues under specific conditions and will not be liable for any direct, indirect, or incidental damages. After-sales service is available for assistance.