

Description

RF5001-CS-C has been formulated to meet the strictest control of electrical interference both radiation and susceptibility. It is formulated with specially prepared silver flakes and conductive resins to provide a conductive layer on plastic, resins and metal substrates for a wide range of products. The highly conductive shield RF5001-CS-C, when applied to specification, provides an effective shielding against radiated radio and Electromagnetic interference (RFI & EMI) and in other application can act as a ground plane to protect against electrostatic discharge (ESD).

Technical Data

Colour	Light Grey
Loose Particle Tolerance	Zero
Adhesion to ASTM D-3359B	95a
Sheet Resistance @ 25 microns (Ω)	>0.015
RCA Abrader Cycles @ 25 microns	500
Attenuation @ 20 micron (dB)	90
Operating Temperature ($^{\circ}$ C)	-40 to +100

Key Properties

- ⚡ Compatible with sensitive plastics and most substrates
- ⚡ Effective Shielding at 25 Microns dry film thickness
- ⚡ Passes UL Environmental Requirements UL746C
- ⚡ Excellent Adhesion and Cohesion
- ⚡ Excellent Abrasion resistance scuff resistant
- ⚡ Highly conductive finish achieved within a few hours.

Applications

- ⚡ Medical and Lab applications
- ⚡ Automotive, Marine and Aviation application
- ⚡ Military and Defence Applications
- ⚡ Electronics Enclosures
- ⚡ Plastic Mouldings
- ⚡ Commercial Machinery

Shielding Effectiveness

