

## Description

RF3001 has been formulated to meet the strictest control of electrical interference both radiation and susceptibility. It is formulated with specially prepared silver-coated copper particles and conductive resins to provide a conductive layer on plastic, resins and metal substrates for a wide range of products. The highly conductive shield RF3001, when applied to specification, provides 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) and can be a cost effective option over silver.

## Technical Data

Colour	Light Bronze
Loose Particle Tolerance	Zero
Adhesion to ASTM D-3359B	97
Sheet Resistance @ 12.5 microns ( $\Omega$ )	>0.015
RCA Abrader Cycles @ 25 microns	500
Attenuation @ 20 micron (dB)	90
Operating Temperature ( $^{\circ}$ C)	-40 to +100

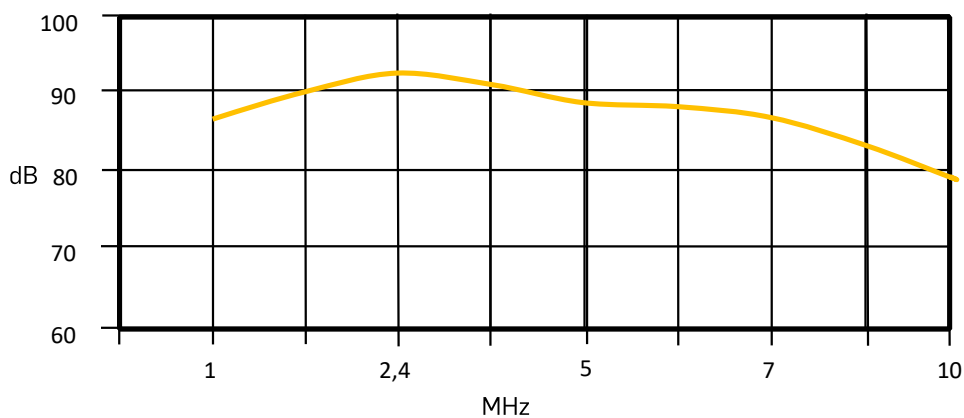
## Key Properties

- ⚡ Compatible with sensitive plastics and most substrates
- ⚡ Effective Shielding at 12.5 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



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