LIMITLESS RF2001-CC-C COPPER CONDUCTIVE PAINT TDS

Description

RF2001-CC-C 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 RF2001-CC-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 | Bright Copper |
|---|---------------|
| Loose Particle Tolerance | Zero |
| Adhesion to ASTM D-3359B | 97 |
| Sheet Resistance @ 25 microns (Ω) >0.015 | |
| RCA Abrader Cycles @ 25 microns 500 | |
| Attenuation @ 20 micron (dB) 90 | |
| Operating Temperature (°C) | -40 to +100 |

Key Properties

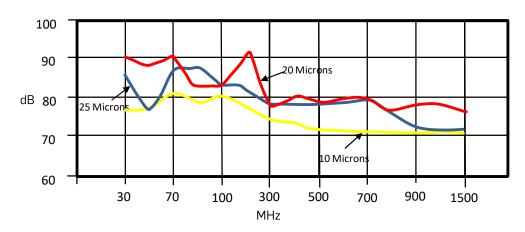
| 丛 | Compatible with sensitive plastics and most substrates |
|------------|--|
| 4 | Effective Shielding at 25 Microns dry film thickness |
| 4 | Passes UL Environmental Requirements UL746C |
| 4 | Excellent Adhesion and Cohesion |
| L ½ | Excellent Abrasion resistance scuff resistant |
| 14/2 | Highly conductive finish achieved within a few hours |

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Applications

| L ½ | Medical and Lab applications |
|------------|---|
| L ½ | Automotive, Marine and Aviation application |
| L ½ | Military and Defence Applications |
| 4/2 | Electronics Enclosures |
| 4/2 | Plastic Mouldings |
| L ½ | Commercial Machinery |

Shielding Effectiveness



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