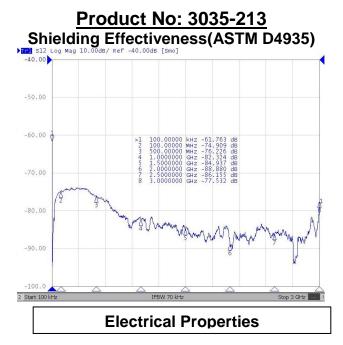


Nickel/Copper Polyester Taffeta

Flectron® Nickel/Copper Polyester Taffeta is a unique fabric, manufactured using a patented, proprietary technology. This technology combines highly conductive copper and corrosion resistant nickel with the lightweight, flexibility, conformability, strength and uniform appearance of a woven. Nickel/ Copper Polyester Taffeta offers excellent surface conductivity, shielding effectiveness, and reflectivity for a variety of applications.

| | Physical Properties | | | | |
|----------|---------------------------------------|---|--------------------------------------|---|--|
| | <u>Property</u> ubstrate | <u>Units</u> | <u>Value</u> Polyester Taffeta | <u>Advantage</u> Flexible, Breathable, Conformable | |
| М | etal | | Ni/Cu | Highly Conductive, Corrosion Resistant | |
| Ba | asis Weight | oz./yd.² g/m.² | 2.2 – 3.1 75– 105 | Light Weight | |
| (n (A | nickness, ominal) \STM 1777) | Inches microns | 0.0045 114 | Thin and Flexible | |
| | etal Weight | oz./yd. ² g/m. ² | 0.70 – 1.30 24-44 | Excellent Electrical Properties | |
| D | ax Short uration emperature | | 210°C | Allows Thermal Processing | |



| Property | <u>Units</u> | <u>Value</u> |
|------------------------------------|---------------|------------------|
| Surface Resistivity (ASTM F390) | ohms/square | <u><</u> 0.07 |
| Far-field Shielding | Effectiveness | (typical) |
| At 100 MHz | dB | 75 |
| At 1 GHz | dB | 82 |
| At 3 GHz | dB | 76 |

| Med | Mechanical Properties | | | | |
|---|-----------------------|-----------------|--|--|--|
| Property | <u>Units</u> | <u>Value fi</u> | | | |
| Tensile Strength CD/MD ◊ (ASTM D5035) | lb./in N/100mm | 50/75 0.7 | | | |
| Elongation, MD | | 27% | | | |
| (ASTM D5035) ^{fi} Typical values for greige ^o Cross Machine Direction | | | | | |

FLECTRON® Nickel/ Copper Polyester Taffeta can be used in many different configurations to protect against EMI/RFI for a variety of applications and environments. Typical applications include: enclosures, curtains, gaskets, cable wrap, tapes, shielding, laminates, and grounding.

NOTICE: Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Laird Technologies makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Laird Technologies be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. Nothing contained herein is to be construed as a recommendation to use any product, process equipment or formulation in conflict with any patent, and Laird Technologies makes no representation or warranty, express or implied, that the use there-of will not infringe any patent. NO REPRESENTATIONS OR WARRANTES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATUREA RE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.