3035-787 Nickel/Copper Taffeta Fabric

NI/CU POLYESTER TAFFETA FABRIC WITH ANTI-FRAY

Laird Technologies' Flectron® Nickel/Copper Polyester Taffeta 3035-787 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. 3035-787 offers excellent surface conductivity, shielding effectiveness, and reflectivity for a variety of applications.

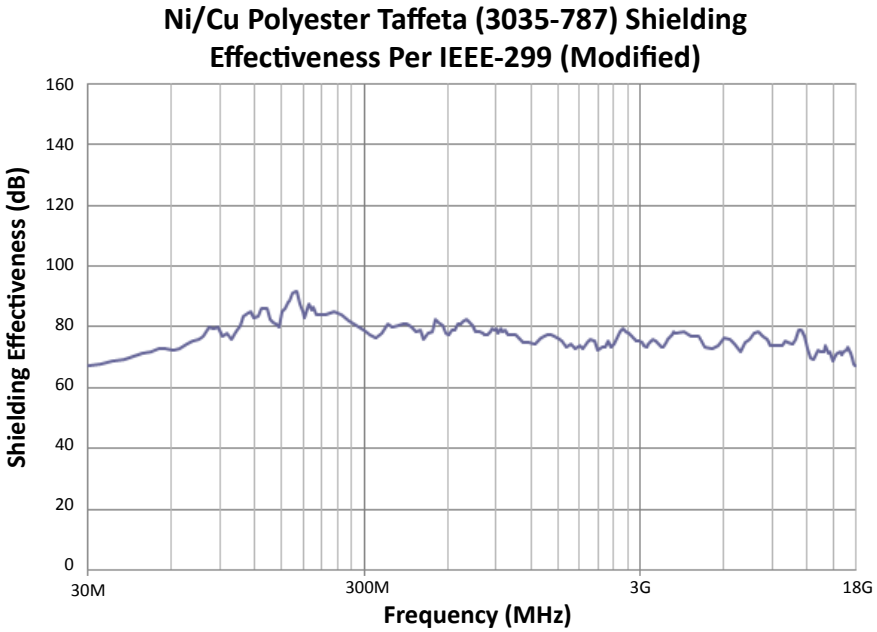
Flectron® Nickel/Copper Polyester Taffeta can be used in many different configurations to protect against EMI/RFI for a variety of applications and environments. Typical applications include: enclosures, curtains, gaskets, cable wrap, tapes, shielding, laminates, and grounding.

FEATURES RoHS

- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Low surface resistivity of ≤ 0.05 Ω/□ provides excellent conductivity
- Shielding effectiveness of >74 dB across a wide spectrum of frequencies

MARKETS

- Cabinet applications
- LCD and Plasma TV
- Medical equipment
- Servers
- Printers
- Laptop computers



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www.lairdtech.com

Laird™

Smart Technology. Delivered.™

3035-787 Nickel/Copper
Taffeta Fabric

PHYSICAL PROPERTIES

ITEM	UNIT	VALUE	ADVANTAGE
Substrate		Polyester Taffeta	Strong, Flexible, Conformable
Metal		Ni/Cu	Corrosion Resistant, Highly Conductive
Total Weight	oz/yd² (g/m²)	2.1 – 2.6 (72 – 88)	Light Weight
Thickness, (nominal)	inches (microns)	0.0035 (89)	Thin and Flexible
Metal Weight	oz/yd² (g/m²)	0.63 – 0.89 (21 – 30)	Excellent Electrical Properties
Max Short Duration Temperature	°C	210	Allows Thermal Processing

ELECTRICAL PROPERTIES

ITEM	UNIT	VALUE
Surface Resistivity (ASTM F390)	ohms/square	≤ 0.05
Far-field Shielding (IEEE-299)	effectiveness	(typical)
30 MHz to 300 MHz	dB	81
300 MHz to 3 GHz	dB	78
3 GHz to 18 GHz	dB	74

MECHANICAL PROPERTIES

ITEM	UNIT	VALUE
Tensile Strength, CMD/MD◊ (ASTM D5035)	lb/in width	50/75
Elongation, MD (ASTM D5035)		20%

◊ Cross Machine Direction/Machine Direction

Values presented have been determined by standard test methods and are typical values not to be used for specification purposes.