



NICKEL POLYESTER TAFFETA FABRIC WITH ANTI-FRAY

Laird's Flectron® Nickel Polyester Taffeta is a unique fabric manufactured using a patented, proprietary technology. This technology combines corrosion resistant nickel with the lightweight, flexibility, conformability, strength and uniform appearance of a woven. Nickel Polyester Taffeta offers a lower surface conductivity, shielding effectiveness, and reflectivity for specialized applications.

FEATURES

- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Surface resistivity of 10 Ω/□ (nominal)

MARKETS

- Specialty

PHYSICAL PROPERTIES

Item	Unit	Value	Advantage
Substrate	Polyester Taffeta		Strong, Flexible, Conformable
Metal	Nickel		Corrosion Resistant
Fabric Weight (nominal)	oz/yd ² (g/m ²)	1.75 (59.3)	Light Weight
Thickness (nominal)	inch (mm)	0.004 (0.1)	Thin and Flexible
Max Short Duration Temperature	°C	210	Allows Thermal Processing
Max Long Term Temperature	°C	155	

ELECTRICAL PROPERTIES

Item	Unit	Value
Surface Resistivity (ASTM F390)	ohms/square	5-20

MECHANICAL PROPERTIES

Item	Unit	Value ^{fl}
Tensile Strength, MD (ASTM D5035)	(N/cm)	>50

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

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