



SILVER PLATED STRETCH FABRIC WITH ANTI-TARNISH COATING

Laird's SilverTek is a unique fabric designed for today's Smart Textile applications. This fabric may be suited for use in on-body medical sensors, antimicrobial wound care, performance monitoring clothing for sports and military applications, and consumer wearable electronics.

FEATURES

- RoHS/REACH compliant
- Halogen-free per IEC-61249-2-21 standard
- Surface resistivity of $< 2 \Omega/\square$ (nominal)

MARKETS

- Specialty
- Medical
- Military
- Performance Sportswear
- Wearable electronics

PHYSICAL PROPERTIES

Item	Unit	Value	Advantage
Substrate	78% Nylon / 22% Spandex		Stretchable, Conformable
Metal Plating	99% Pure Silver		Antimicrobial, Hypoallergenic
Fabric Weight (nominal)	oz/yd ² (g/m ²)	4.0 (136)	Light Weight
Thickness (nominal)	inch (mm)	0.018 (0.45)	Flexible
Temperature Range	°C	-40° to 90°	

ELECTRICAL PROPERTIES

Item	Unit	Value
Surface Resistivity (ASTM F390)	ohms/square	< 2.0

MECHANICAL PROPERTIES

Item	Unit	Value ¹
Elongation*, MD (ASTM D4964 mod)	(%)	>250

*(@ 3 lbf / inch width)

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