

Swift Textile Metalizing



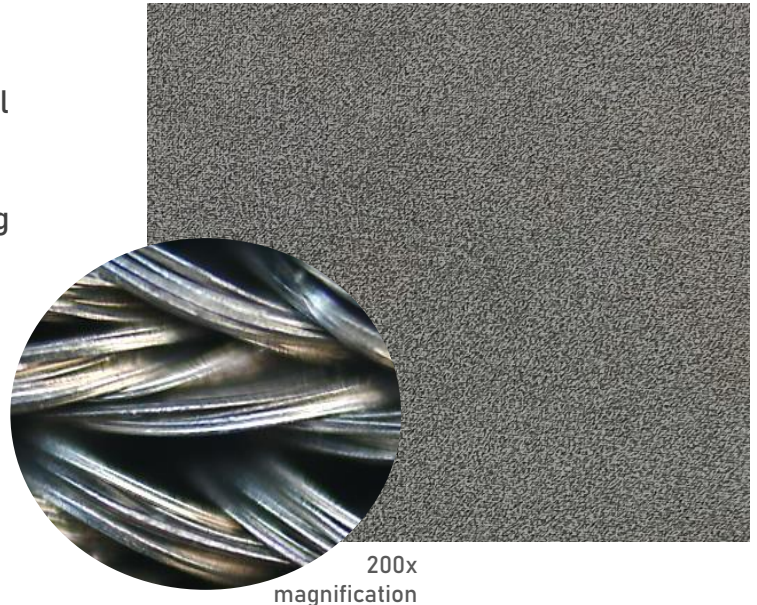
An INTEGRATED POLYMER SOLUTIONS Company

Electrically Conductive Spandex, Ag Coated (K252S)

Silver coated spandex fabric for applications requiring durable, electrically conductive material with the ability to withstand repeated stretch/recovery cycles. Additional material characteristics include a high purity silver coating for biocompatibility and soft material finish for comfortable, extended skin contact.

Features & Benefits

Our proprietary EnCap™ metalization process *completely* encapsulates each fiber in metal at the molecular level to deliver a durable, permanent, unbreakable bond while maintaining the mechanical properties of each fabric.



200x magnification

Material Specification – K252S		
Fabric: Nylon/Lycra Spandex	Material Coating: Silver	Width: 72", nominal
Property	Typical Value	Test Method
Shielding effectiveness @ 1 GHz	-40 dB	ASTM D4935
Thickness	0.02"	ASTM D1777
Weight	4.7 oz./yd ²	ASTM D3776
Electrical resistance	Less than 1.5 Ω/sq.	ASTM D4496
Tensile strength	950 psi, machine direction	ASTM D412
	850 psi, cross machine direction	
Elongation	500%, machine direction	ASTM D412
	300%, cross machine direction	

Note: The data presented above is based on test samples from multiple production batches and is representative of typical material properties.

Swift Textile Metalizing, LLC is a U.S. manufacturing company that specializes in the design, development and production of a wide range of electrically conductive and reflective metalized fabrics used in products that provide protection of people and equipment from Electromagnetic Interference (EMI), Radio Frequency Interference (RFI) and Static Discharge.

Since 1955 Swift Textile Metalizing has provided standard and custom conductive fabrics for aerospace, defense and commercial applications. STM brings together technology, innovative engineering and customer involvement to provide dynamic application solutions. STM's goal is to continually improve our industry leadership through the highest standards in product performance and service.



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 AS9100D & ISO 9001:2015 Certified