

# Swift Textile Metalizing



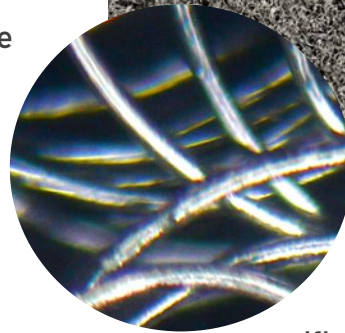
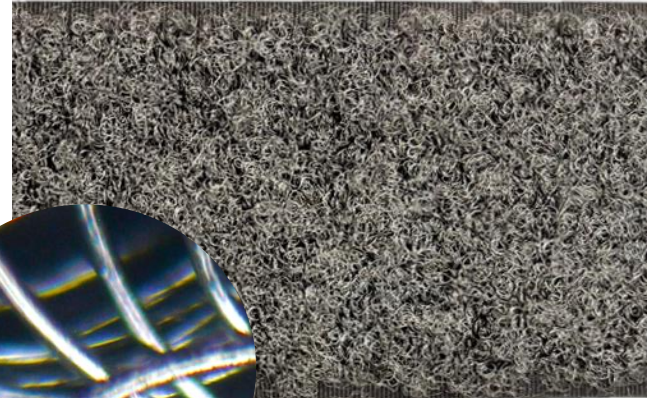
An INTEGRATED POLYMER SOLUTIONS Company

## Electrically Conductive Nylon Loop, Ag Coated

Silver coated nylon loop is ideal for applications requiring electrically conductive closures and attachment points. Applications may include RF/EMI shielding, grounding straps, equipment covers, tents, shelters and clothing. STM conductive loop can be applied by sewing, adhesive or ultrasonic bonding.

### 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 the base material.



200x magnification

Material Specification – SMS-0103 – Conductive Loop		
Base material: Nylon loop	Material coating: Silver	Widths: 1", 2", Length: 50 yds
Property	Typical Value	Test Method
Thickness	0.11"	ASTM D1777
Weight	11.0 oz./yd <sup>2</sup>	ASTM D3776
Volume resistivity	0.02 Ω·cm (paired with STM hook)	ASTM D4496
Qualification Testing*		
Cycle life	5,000 (paired with STM hook)	*Mechanical tests are one-time tests to qualify the manufacturing process. Testing of each lot is not required if there are no changes in the manufacturing process.  ** piw = pounds per inch width
Shear strength	New state: 15.7 psi	
	5,000 cycles: 11.4 psi	
Peel strength	New state: 2.5 piw**	
	5,000 cycles: 1.2 piw**	



Additional widths available upon request

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

STEX SAL SMS-0103 – Electrically Conductive Nylon Loop, Ag Coated Rev D (07/26/23)

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