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VELCRO® Brand

13M Loop

Technical Data Sheet
February 2025

PRODUCT DESCRIPTION



VELCRO® Brand 13M Loop is a strong and durable textile loop tape suitable for everyday industrial applications. This is a medium profile woven Nylon polyamide tape, which can be opened thousands of times without losing its strength when paired together VELCRO® Brand 13G Hook

This product is designed for a wide range of applications such as footwear & apparel, signage, furnishing, packaging, transportation, medical orthopedics and many more. Compatible application methods such as sewing, welding and adhesives.

PRODUCT CONSTRUCTION

VELCRO® Brand 13M Loop	
Construction	Woven Loop Fabric
Composition	Nylon polyamide with a polyurethane coating
Thickness – overall ITM-40015	2.3 mm (± 0.01)
Weight ITM-00062	320 gr/m² (±10%)
Width PROC-00388	< 50 mm (± 1.0 mm) ≥ 50 mm (± 1.5 mm) ≥ 100 mm (-1.0 mm / +3.0 mm)
Color Available	Black, White (stock) Others (upon request)

PERFORMANCE CHARACTERISTICS*

VELCRO® Brand 13M Loop – tested with 13G Hook	
Peel ITM-00044	Ave. 1.1 PIW (2 N/cm)
Shear ITM-00045	Ave. 14.5 PSI (10 N/cm²)
Cycle Life ITM-00047	50% minimum of initial performance after 10,000 cycles

The average values are only for reference. Suitable performance for a specific intended application should be evaluated by the user.

PRODUCT COMBINATIONS

VELCRO® Brand 13M Loop and **VELCRO® Brand 13G Hook** are designed to be used together.

ADDITIONAL PERFORMANCE CHARACTERISTICS

Outdoor use

This product is constructed from polyamide, which has a known tendency to degrade in UV light. Therefore, it is not recommended for direct, prolonged exposure to UV light.

Resistance to Solvents

The polyamide in this fastening system is resistant to some solvents and to accidental exposure to common solvents, but any such exposure must not be prolonged.

Resistance to fluids used in transport, such as gasoline, motor oil or transmission fluids, has not been tested. We recommend testing the product for its specific application.

Fire resistance

VELCRO® Brand 13M Loop does not have flame-retardant properties, therefore its use in applications that require limited flame propagation is not recommended.

Water/Moisture resistance

Performance values of polyamides are reduced when exposed to water/high humidity (>80% RH) for long periods of time. These properties are typically recovered when the product dries.

Sterilisation

These products have not been tested for physical sterilisation (autoclave, steam, gamma rays, etc.) or chemical sterilisation (ethylene oxide, hydrogen peroxide, etc.).

Color Fastness

No relevant information available

Biocompatibility

This product has not been tested for biocompatibility. Customers have full responsibility to determine the suitability for safety and biocompatibility assessments of the **VELCRO® Brand 13M Loop**.

Electrostatic discharge

This product has not been tested for electrostatic discharge after opening and closing the fastener. These products must first be tested in applications where electrostatic discharge is a concern.

Seam strength

VELCRO® Brand 13M Loop can be applied to several substrates by sewing. A square stitch should be used, when possible, but all common stitches also offer adequate strength. The choice of thread will depend on the application and substrate, but it should offer similar strength to stitching.

SUGGESTED APPLICATIONS

VELCRO® Brand 13M Loop can be used in a wide variety of applications such as:

FOOTWEAR & APPAREL:
Uniforms, fashion & sport garments, workwear, shoes & ski boots.

INDUSTRIAL& CONSTRUCTION:
Panel fixation, signage cable management, furnishing & curtains, tents, sports equipment



MEDICAL:
Orthopaedics braces, gowns.



PACKAGING:
Returnable packaging applications.



PERSONAL CARE:
Primary or secondary fasteners for personal care products

We recommend testing the product before use since the conditions specific to each application may cause differences in performance.

COUNTRY OF ORIGIN	Vietnam
REGULATORY ELEMENTS	For product declarations of conformity on regulatory elements and additional information, contact ProductCompliance@velcro.com
PRODUCT USE	The information, statements and comments contained within this document are based on our experience and testing and are believed to be accurate. However, because there are many factors involved in specific applications that can impact end use and performance, product users should always test the product for its ability to meet the requirements of their specific use and method of application.
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(*) Velcro Companies includes all the partner companies involved in the development, manufacture or sale of the products.

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