www.velcro.com

VELCRO® Brand

13G Hook

Technical Data Sheet
February 2025

PRODUCT DESCRIPTION



VELCRO® Brand 13G Hook is a strong and durable textile hook 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 13M Loop

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 13G Hook	
Construction	Woven Hook Fabric
Composition	Nylon polyamide with a polyurethane coating
Thickness – overall ITM-40015	2.1 mm (± 0.01)
Weight ITM-00062	325 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 13G Hook – tested with 13M Loop	
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 13G Hook and **VELCRO® Brand 13M Loop** 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 13G Hook 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 13G Hook**.

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

This product is a sew-able product.

SUGGESTED APPLICATIONS

VELCRO® Brand 13G Hook 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.
LIMITED WARRANTY	Velcro Companies (*) warrants that all of its products will substantially comply with its written specifications at the time of shipment. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED. The product user is responsible for determining whether the product is fit and suitable for the intended application. If the product does not meet specifications as warranted, we will, at our option, repair or replace the product, or credit or refund the purchase price. The foregoing constitutes the user's sole remedy and our sole obligation hereunder.

(*) Velcro Companies includes all the partner companies involved in the development, manufacture or sale of the products.

LIMITATION OF LIABILITY	To the maximum extent permitted under applicable law, our liability for any losses or damages relating to use of the product shall not exceed the purchase price for such product, regardless of whether such losses or damages are direct, indirect, special, incidental or consequential, and regardless of the legal theory asserted, including, but not limited to, warranty, contract, negligence or strict liability. Given the diversity of our products, we recommend that our customers verify that the product satisfies the requirements of their application. The customer is responsible for the application and use of the product.

VELCRO® and other marks are registered. Used with permission. © 2022