

VELCRO® Brand  
**Loop 001**

**Technical Data Sheet**  
October 2021

**PRODUCT DESCRIPTION**



**VELCRO® Brand Loop 001** is a European soft & durable textile loop suitable for the most demanding applications. It is a woven medium profile polyamide loop tape guaranteeing a high cycle life that can be opened thousands of times without losing its strength when paired with VELCRO® Brand Hook 088.

**VELCRO® Brand Loop 001** is suitable for a wide range of applications in various demanding industries such as Medical, Automotive & Transportation, Military, Packaging, Footwear & Apparel and many others.






Available in multiple colours, widths and converted items and compatible with many application methods such as sewing, welding and VELCRO® Brand adhesives.

**PRODUCT CONSTRUCTION**

Fastening system	VELCRO® Brand Loop 001
<b>Construction</b>	Woven Fabric
<b>Composition</b>	Polyamide and Synthetic coating
<b>Thickness</b>	2.10 - 2.60mm
<b>Weight</b>	300 g/m <sup>2</sup> ± 10%
<b>Widths available + Variations*</b>	16, 20, 25, 30, 38 ± 1mm 50 ± 1.5 mm 100, 107, 150, 160 ± 2mm
<b>Colour available</b>	Check VELCRO® Brand colour chart

\* Other widths capabilities upon request

**PERFORMANCE CHARACTERISTICS\***

	Fastening system	VELCRO® Brand Loop 001
	<b>Peel EN-12242</b>	Minimum: 1.3 N/cm Average: 2.0 N/cm Tested with VELCRO® Brand Hook 088
	<b>Shear EN-13780</b>	Minimum: 7.3 N/cm <sup>2</sup> Average: 10.3 N/cm <sup>2</sup> Tested with VELCRO® Brand Hook 088
	<b>Tension NF-G91-103</b>	Minimum: 2.5 N/cm <sup>2</sup> Average: 5.5 N/cm <sup>2</sup> Tested with VELCRO® Brand Hook 088
	<b>Cycle Life EN-1414</b>	50% of the minimum performance 10,000 cycles Tested with VELCRO® Brand Hook 088
	<b>Tensile Strength EN-ISO 13934-1</b>	Minimum: 210 N/cm Average: 240 N/cm

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

**PRODUCT COMBINATIONS**

**VELCRO® Brand Loop 001** has been designed to be used with VELCRO® Brand Hook 088 and the VELCRO® Brand adhesives range.

**SPECIAL CHARACTERISTICS**

**Fastening system** VELCRO® Brand Loop 001



**Shrinkage**  
EN-ISO-6330/EN 12243

Maximum 4% after 3 washes at 60°C



**OEKO-TEX®**  
**STANDARD 100 Class II**



Tested for harmful substances.  
[www.oeko-tex.com/standard100](http://www.oeko-tex.com/standard100)



**ADDITIONAL PERFORMANCE CHARACTERISTICS**



**Outdoor use**

Since the product is made with polyamide, which has a known tendency to degrade in UV light, **VELCRO® Brand Loop 001** is not recommended for direct, prolonged exposure to UV light.



**Resistance to solvents**

The polyamide used in these fastening systems is resistant to cleaning with solvents or dry cleaning (e.g. tetrachloroethylene) and to accidental exposure to the most common solvents, but it is not resistant to prolonged exposure and its resistance to fluids used for transport, such as gasoline, motor oil and transmission fluids, has not been tested. We recommend testing the product for its specific application.



**Fire resistance**

**VELCRO® Brand Loop 001** products do not have a flame-retardant properties, so their use in applications that require limited flame propagation is not recommended. For flame-retardant properties refer to the product **VELCRO® Brand Loop 001 FR**.



**Water/Moisture resistance**

Polyamide in this fastening system is resistant to cleaning with some solvents and to accidental exposure to the most common solvents; however, certain fluids used in transport, such as gasoline, motor oil or transmission fluids can cause degradation, particularly over long periods of time and at elevated temperatures. The product should be tested in use for a specific application.

**VELCRO® Brand Loop 001** can lose its properties if it comes in contact with water, and thus uses in water conditions is not recommended.



**Sterilisation**

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

**Colour fastness**

Colour fastness to washing with soap (ISO 105 C-10): Min. 4  
Colour fastness to dry-cleaning (ISO 105 D-01): Min. 4  
Colour fastness to rubbing (ISO 105 X-12): Min. 4  
Colour fastness to water (ISO 105 E-01): Min. 4  
Colour fastness to sea water (ISO 105 E-02): Min. 4  
Colour fastness to perspiration (ISO 105 E-04): Min. 4  
Colour fastness to artificial light (ISO 105-B-02): Min. 5 (dark colours); min. 4 (white and light colours); min 3 (fluor colours)

**Biocompatibility**

Customers have full responsibility to determine the suitability for safety and biocompatibility assessments of **VELCRO® Brand Loop 001**. Summaries of biocompatibility testing results (ISO 10993-5 Cytotoxicity), where available upon request. Customers should perform their own assessments on final products in compliance with applicable regulatory requirements.

**Electrostatic discharge**

**VELCRO® Brand Loop 001** 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 Loop 001** 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**

Thanks to its high quality and cycle life, **VELCRO® Brand Loop 001** can be used in a wide variety of applications such as:

**TRANSPORTATION:**

Automotive Interior & accessories, Carpet fixation, Seat Trim covers, Aircraft seating.

**MEDICAL:**

Orthopaedics Braces, Gowns.

**PACKAGING:**

Returnable packaging Applications.

**FOOTWEAR & APPAREL:**

Military uniforms, Fashion & sport garments, Workwear, Shoes & Ski boots.

**INDUSTRIAL & CONSTRUCTION:**

Panel fixation, Signage Cable Management, Furnishing & Curtains, Tents, Sports equipment.

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

---

**COUNTRY OF ORIGIN**

SPAIN

---

**REGULATORY ELEMENTS**

For product declarations of conformity on regulatory elements and additional information, contact [productcompliance\\_emea@velcro.com](mailto:productcompliance_emea@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<sup>(\*)</sup> 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.

<sup>(\*)</sup> 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. © 2021