

**PRODUCT DESCRIPTION**



**VELCRO® Brand ALFATEX® Loop** is a strong and durable textile loop suitable for everyday industrial applications. It is a woven medium profile Polyamide loop tape, that can be opened thousands of times without losing its strength when paired with VELCRO® Brand ALFATEX® Hook.

**VELCRO® Brand ALFATEX® Loop** is designed for every day industrial applications such as footwear & apparel, signage, furnishing, military, orthopaedics and many more.





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

**PRODUCT CONSTRUCTION**

| Fastening system                      | VELCRO® Brand ALFATEX® Loop   |
|---------------------------------------|---|
| <b>Construction</b>                   | Woven Fabric  |
| <b>Composition</b>                    | Polyamide and Synthetic coating                                       |
| <b>Thickness</b>                      | 1.9 - 2.5 mm  |
| <b>Weight</b>                         | 320 g/m <sup>2</sup> ± 10%  |
| <b>Widths available + Variations*</b> | 16, 20, 25 ± 1 mm<br>30, 38, 50 ± 1.5 mm<br>100, 107, 150, 160 ± 5 mm |
| <b>Colour available</b>               | Check VELCRO® Brand ALFATEX® colour chart                             |

\* Other widths capabilities upon request

**PERFORMANCE CHARACTERISTICS\***

| Fastening system  | VELCRO® Brand ALFATEX® Loop  |
|---|--|
|  <b>Peel</b><br><b>EN-12242</b>                  | Minimum: 1.3 N/cm<br>Average: 2.3 N/cm<br>Tested with VELCRO® Brand ALFATEX® Hook                            |
|  <b>Shear</b><br><b>EN-13780</b>                 | Minimum: 8.0 N/cm <sup>2</sup><br>Average: 10.0 N/cm <sup>2</sup><br>Tested with VELCRO® Brand ALFATEX® Hook |
|  <b>Cycle Life</b><br><b>EN-1414</b>             | 50% of the minimum performance 10,000 cycles<br>Tested with VELCRO® Brand ALFATEX® Hook                      |
|  <b>Tensile Strength</b><br><b>EN-ISO 13934-</b> | Minimum: 200 N/cm<br>Average: 280 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 ALFATEX® Loop** has been designed to be used with VELCRO® Brand ALFATEX® Hook and the VELCRO® Brand ALFATEX® adhesives range.

**SPECIAL CHARACTERISTICS**

**Fastening system** VELCRO® Brand ALFATEX® Loop



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

Maximum 3.0% after 1 wash at 60°C



**OEKO-TEX®**  
**STANDARD 100**  
(Exclusive fluor colours)



Tested for harmful substances.  
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 ALFATEX® Loop** 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 ALFATEX® Loop** does not have 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 ALFATEX® Loop 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 ALFATEX® Loop** can lose its properties if it comes in contact with water, and thus uses in water conditions are 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 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 (not valid for neon (fluor) colours)  
Colour fastness to washing (ISO 105-C06): Min. 3  
Colour fastness to ironing (ISO 105-X11): Min. 4



#### Biocompatibility

**VELCRO® Brand ALFATEX® Loop** has not been tested for biocompatibility.



#### Electrostatic discharge

**VELCRO® Brand ALFATEX® Loop** 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 ALFATEX® 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

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



**FOOTWEAR & APPAREL:** Shoes and ski boots, fashion and sport garments, workwear and military uniforms.



#### INDUSTRIAL:

Signage, panel fixation, furniture and curtains, cable management, sports equipment, tents, dock and warehouse seals.



#### PACKAGING:

Returnable packaging applications.



#### MEDICAL:

Orthopaedics braces.



#### TRANSPORTATION:

Aerospace and automotive interior fixation.

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

---

**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.

(\*) 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<sup>®</sup> and other marks are registered. Used with permission. © 2021