

VELCRO® Brand ALFATEX®
Velour Standard

Technical Data Sheet
June 2024

PRODUCT DESCRIPTION



The **VELCRO® Brand ALFATEX® Velour Standard** is a 250 g/m² knitted fabric suitable for applications requiring high softness & cycle life in a wide range of industries. This knitted Polyamide fabric has a low and limited cycle life when paired with the VELCRO® Brand ALFATEX® Hook and the VELCRO® Brand VEL-LOC® 085.

The **VELCRO® Brand ALFATEX® Velour Standard** is designed for every day industrial applications such as footwear & apparel, abrasives, carpet backing, Orthopaedic braces and many more.





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

PRODUCT CONSTRUCTION

Fastening system	VELCRO® Brand ALFATEX® Velour Standard
Construction	Knitted Fabric
Composition	Polyamide and Acrylic back coating
Thickness	1.3 - 1.9 mm
Weight	250 g/m ² -25g +30g
Widths available + Variations*	≤ 50mm +/- 1mm >50mm - ≤ 400mm +/- 2mm > 400mm +/- 4mm
Colour available	Check VELCRO® Brand ALFATEX® colour chart

* Other widths capabilities upon request

PERFORMANCE CHARACTERISTICS*

Fastening system	VELCRO® Brand ALFATEX® Velour standard
 Peel EN-12242	Minimum: 0.7 N/cm Average: 1.6 N/cm Tested with VELCRO® Brand VEL-LOC® 085
 Shear EN-13780	Minimum: 12.0 N/cm ² Average: 20.0 N/cm ² Tested with VELCRO® Brand VEL-LOC® 085
 Cycle Life EN-1414	50% of the minimum performance 100 cycles Tested with VELCRO® Brand VEL-LOC® 085
 Tensile Strength EN-ISO 13934-1	Minimum: 55 N/cm Average: 80 N/cm

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

PRODUCT COMBINATIONS

The **VELCRO® Brand ALFATEX® Velour Standard** has been designed to be used with the **VELCRO® Brand ALFATEX® Hook**, **VELCRO® Brand VELLOC®** and the **VELCRO® Brand ALFATEX® adhesives range**.

SPECIAL CHARACTERISTICS*

Fastening system **VELCRO® Brand ALFATEX® Velour Standard**



Shrinkage
EN-ISO-6330/EN 12243

Maximum 8% after 5 washes at 40°C



Colour Tolerance
dE (CMC)

$\Delta E \leq 2.0$



OEKO-TEX®
STANDARD 100 Class I



ADDITIONAL PERFORMANCE CHARACTERISTICS



Outdoor use

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



Resistance to solvents

The polyamide in this fastening system is resistant to cleaning with some solvents and to accidental exposure to common solvents, but any such exposure must not be prolonged (except for strong acids, which hydrolyse it).

Its 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

The **VELCRO® Brand ALFATEX® Velour Standard** does not have flame retardant properties, so their use in applications that require limited flame propagation is not recommended.



Water/Moisture resistance

The polyamide in this fastening system degrades its mechanical properties 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.).



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
- Colour fastness to washing (ISO 105-C06): Min. 4
- Colour fastness to ironing (ISO 105-X11): Min. 4



Biocompatibility

The **VELCRO® Brand ALFATEX® Velour Standard** has not been tested for biocompatibility.



Electrostatic discharge

The **VELCRO® Brand ALFATEX® Velour Standard** 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

The **VELCRO® Brand ALFATEX® Velour Standard** 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.

SUGGESTED APPLICATIONS

The **VELCRO® Brand ALFATEX® Velour Standard** can be used in a wide variety of applications such as:



FOOTWEAR & APPAREL: Shoes, fashion, military uniforms and performance workwear.



INDUSTRIAL:

Abrasives.



PACKAGING:

Signage, ID labels.



MEDICAL:

Orthopaedic Braces, collars, bandages back, splints and prosthetic appliances.



TRANSPORTATION:

Carpet backing.

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

COUNTRY OF ORIGIN

EU

REGULATORY ELEMENTS

For product declarations of conformity on regulatory elements and additional information, contact 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.

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