

**PRODUCT DESCRIPTION**



The **VELCRO® Brand ALFA-LOK™** fastener is a self-engaging tape with mushroom shaped hooks that provides a strong and reliable connection. VELCRO® Brand ALFA-LOK™ fastener is a non-directional closure that is easy to use since the two parts can be engaged in any position by pressing them firmly together.

**COUNTRY OF ORIGIN** Belgium

**PRODUCT CONSTRUCTION**

Fastener	VELCRO® Brand ALFA-LOK™ Tape
<b>Construction</b>	Woven
<b>Material Composition</b>	Base: Polyester Engaging elements (mushrooms heads): Polypropylene
<b>Color</b>	Black
<b>Overall width</b>	Avg. = 25 mm *
<b>Thickness (single)</b>	Avg. = 4.7 mm *,**
<b>Thickness (closed position)</b>	Avg. = 7.5 mm *,**
<b>Overall weight</b>	Avg. = 1,650 – 1,950 gr/ m <sup>2</sup> *,**
<b>Standard roll size</b>	Avg. = 25 m * (other options under request)
<b>Heads per cm<sup>2</sup></b>	Avg. = 48 mushrooms/cm <sup>2</sup> *

\*Average according typical values.

\*\* Reference values for combination VELCRO® Brand ALFA-LOK™ Tape + Adhesive

**PRODUCT COMBINATIONS**

VELCRO® Brand ALFA-LOK™ fastener has been designed to be combined with the AFTC adhesives as AFTC SilverTape™ 5310, AFTC SilverTape™ 5345 & AFTC SilverTape™ 6411. Other kind of combinations are under development.

**PERFORMANCE CHARACTERISTICS**



Fastener	VELCRO® Brand ALFA-LOK™ Tape
----------	------------------------------

**Tensile Disengagement (0-180°)** Avg. = 40 N/cm<sup>2</sup> \*



**Peel Strength** Avg. = 2 N/cm \*



**Shear Strength** Avg. = 55 N /cm<sup>2</sup> \*

\*Average according typical values.

**ADDITIONAL PERFORMANCE CHARACTERISTICS**



**Outdoor Use**

Polyester component of the material has a good resistance under UV light, nevertheless, PP has poor resistance to UV light, for that reason VELCRO® Brand ALFA-LOK™ fastener is not designed intentionally to use for direct UV light contact.

The product should be tested in use for a specific application.



**Solvent Resistance**

The Polyester component in this fastener will resist some solvent cleanings and incidental exposure to common solvents but should not be exposed for extended lengths of time (except alkalis that hydrolyse it).

The Polypropylene component in this fastener will resist some solvent cleanings and incidental exposure to common solvents, except halogenated that dissolve it.

The product should be tested in use for a specific application and has not been tested for resistance to transportation fluids such as gasoline, motor oils, and transmission fluids.



**Flammability Resistance**

VELCRO® Brand ALFA-LOK™ fastener meets certification requirements for FMVSS 302 and is classified B-2 under DIN4102.



**Water/Humidity resistance**

Polyester & Polypropylene material absorbs low quantities of water for that reason performance should be stable when it is exposed to water/high humidity (> 80% H.R.) for extended lengths of times.



**Sterilization**

This product has not been tested for autoclaving, gas, or steam sterilization.



**Washing and Dry Cleaning**

This product has not been designed to be used for washing and dry cleaning applications.



**Biocompatibility**

VELCRO® Brand ALFA-LOK™ fastener has not been tested for biocompatibility.



**Static Discharge**

VELCRO® Brand ALFA-LOK™ fastener has not been tested for static discharge after opening and closing the fastener. If static discharge is a concern it should be tested for in the end use application.



---

### **Sewing Resistance**

VELCRO® Brand ALFA-LOK™ fastener has not been designed to be sewed.

---

## **APPLICATION IDEAS**

VELCRO® Brand ALFA-LOK™ fastener has been designed to combine the easy connection of a VELCRO® Brand re-closable product and the adhesion of specific adhesives. This re-closable system is easy to align and easy to know when it is closed.

Below are some typical applications where VELCRO® Brand ALFA-LOK™ fastener product has been used.

It is recommended that testing be completed on the product prior to use since the conditions of each application can cause variations in performance.

---



### **TRANSPORTATION**

VELCRO® Brand ALFA-LOK™ fastener has been used in a wide range of automotive, trains, buses and marine applications including the fixation of headliners, interior panels (doors, cabin) or window panels.

---



### **CONSTRUCTION**

VELCRO® Brand ALFA-LOK™ fastener has been used in construction applications for decorative panels, ceiling panels, semi-structural panels, insulation systems, solar panels and window elements.

---



### **INDUSTRIAL**

VELCRO® Brand ALFA-LOK™ fastener has been used in industrial applications ranging from display and POS, temporary textile architecture (canvas), electronic, exhibition stands, attachment to aluminum profiles and general industrial applications.

---

## **CERTIFICATIONS**

VELCRO® Brand ALFA-LOK™ fastener meets requirements for FMVSS 302 and obtains classification B-2 under DIN 4102.

---

## **REGULATORY REQUIREMENTS<sup>(3)</sup>**

VELCRO® Brand ALFA-LOK™ fastener meets the requirements of following documents:

- Regulation (EC) No 1907/2006 REACH
- Directive 2000/53 (ELV) and amendments
- Directive 2011/65 (RoHS) and amendments

<sup>(3)</sup> List of most important Regulatory Requirements. Ask for specific Regulatory Requirements per product.

---

## **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 Europe, S.A. warrant that each product 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 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.

## 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 use of our products we advise our customers to ensure themselves that the product meets the requirements of their application. The responsibility for the application and use of the product remains with the customer.

## GLOBAL OFFICES

### Worldwide Headquarters

VIL Ltd.  
2 Kingdom Street, 6<sup>th</sup> Floor  
Paddington  
London – W2 6JP  
United Kingdom  
Tel: (+44) 203 580 4265  
Velcro.com

### Global Services Office

Velcro Group Corporation  
265 Franklin Street – 19<sup>th</sup> Floor  
Boston – MA 02110  
USA  
Tel: (+1) 617 946 5501  
Velcro.com

## AMERICAS

### USA

Velcro USA Inc.  
Tel: (+1) 800 225 0180  
marketing@velcro.com  
Velcro.com

### Canada

Velcro Canada Inc.  
Tel: (+1) 800 683 5276  
canada@velcro.com  
Velcro.com

### Mexico

Velcro de México, S.A. de C.V.  
Tel: (+52) 55 5005 3300  
velcrodemexico@velcro.com  
Velcrodemexico.com

### Brazil

Velcro Brasil Ltda.  
São Paulo  
Tel: (+55) 11 4195 6644  
contato@velcro.com  
Velcro.com.br

### Sapiranga

Tel: (+55) 51 3599 1483  
contato@velcro.com  
Velcro.com.br

### Uruguay

Velcro Industrial  
del Uruguay S.A.  
Tel: (+598) 2288 0008  
infovurg@velcro.com  
Velcro.com

## EMEA

### Spain

Velcro Europe S.A.  
Tel: (+34) 93 758 32 98  
infovesa@velcro.com  
Velcro.es

### Germany

Velcro GmbH  
Freiberg am Neckar  
Tel: (+49) 7141 991 19-0  
infovgmbh@velcro.com  
Velcro.de

### Gronau

Tel: (+49) 2562 96 45-0  
infovgmbh@velcro.com  
Velcro.de

### France

Velcro Industries France S.A.S.  
Tel: (+33) 1 34 38 78 88  
infovif@velcro.com  
Velcro.fr

## APAC

### Australia

Velcro Australia Pty. Ltd.  
Tel: (+61) 3 9703 2466  
sales@velcro.com.au  
Velcro.com.au

### China

Velcro China Fastening  
Systems Company Limited  
Tel: (+86) 21 6045 2090  
(Shanghai Sales Office)  
chinamarketing@velcro.com  
Velcro.com.cn

### Hong Kong

Velcro Hong Kong Ltd.  
Tel: (+852) 2570 3698  
hkenquiry@velcro.com  
Velcro.com.hk

### Belgium

Alfatex N.V.  
Tel: (+32) 9 386 12 18  
info@velcro.com  
Alfatex.com

### Italy

Velcro Italia, S.R.L.  
Tel: (+39) 039 62 70 01  
infoveit@velcro.com  
Velcro.it

### UK

Velcro Ltd.  
Tel: (+44) 1606 73 88 06  
infovlt@velcro.com  
Velcro.co.uk

### Poland

Alfatex Sp. z o.o.  
Tel: (+48) 71 798 57 89  
infoopl@velcro.com  
Alfatex.pl