

PRODUCT DESCRIPTION


The **VELCRO® Brand Velour 3165** is a 250 g/m² knitted fabric suitable for applications requiring high softness and moderate cycle life in a wide range of industries. This knitted polyamide fabric has a low cycle life when paired with the VELCRO® Brand Hook 088 and the VELCRO® Brand VEL-LOC® Standard 085 Hook.

The **VELCRO® Brand Velour 3165** is suitable for a wide range of applications in various demanding industries such as medical, industrial, 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 Velour 3165
Construction	Knitted fabric
Composition	Polyamide, synthetic coating
Thickness	1.20 - 2.40mm
Weight	250 g/m ² ± 16%
Widths available + Variations*	<50: Nominal ± 1mm ≥50: Nominal ± 1.5mm ≥100: Nominal ± 2mm 1400: Nominal -50/ +100mm
Colour available	Check VELCRO® Brand Velour 3165 colour chart

* Other widths capabilities upon request

PERFORMANCE CHARACTERISTICS*

	Fastening system	VELCRO® Brand Velour 3165
	Peel EN-12242	Minimum: 0.7 N/cm Average: 1.5 N/cm Tested with VELCRO® Brand VEL-LOC® Standard 085 Hook
	Shear EN-13780	Minimum: 12.0 N/cm ² Average: 16.0 N/cm ² Tested with VELCRO® Brand VEL-LOC® Standard 085 Hook
	Cycle Life EN-1414	50% of the minimum performance 200 cycles Tested with VELCRO® Brand VEL-LOC® Standard 085 Hook
	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 Velour 3165** has been designed to be used with a wide range of VELCRO® Brand hooks: VELCRO® Brand woven hooks, VELCRO® Brand VEL-LOC® mushroom hooks and VELCRO® Brand High Technology Hooks, also the VELCRO® Brand adhesive range.

SPECIAL CHARACTERISTICS

Fastening system	VELCRO® Brand Velour 3165
 Shrinkage EN-ISO-6330/EN 12243	Lengthwise: Maximum 11% after 1 wash at 40°C Crosswise: Maximum 9% after 1 wash at 40°C
 Colour Tolerance dE (CMC)	$\Delta E \leq 2.0$
 OEKO-TEX® STANDARD 100 Class II	


**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 Velour 3165** 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

The **VELCRO® Brand Velour 3165** 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 Velour 3165 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. The **VELCRO® Brand Velour 3165** can lose its properties when 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 the **VELCRO® Brand Velour 3165**. 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**

The **VELCRO® Brand Velour 3165** 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 Velour 3165** 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

The **VELCRO® Brand Velour 3165** can be used in a wide variety of applications such as:

**FOOTWEAR & APPAREL:**

Shoes, fashion, military uniforms and performance workwear.

**INDUSTRIAL:**

Abrasives, furniture, moulding, indoor decoration.

**PACKAGING:**

Signage, ID labels.

**MEDICAL:**

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

**TRANSPORTATION:**

Carpet backing, automotive anti-rattle applications.

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.

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

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