

VELCRO[®] Brand Textile Hook & Loop Tapes



Textile Product Range

Wide colour range available

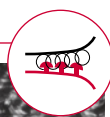
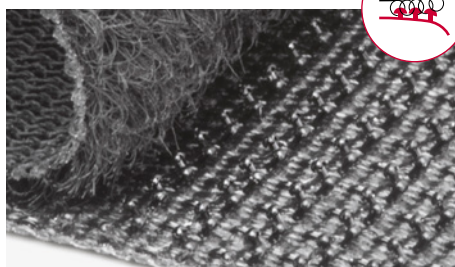


Type of Engagement

Hook & Loop



Mushroom & Velour



Self-engaging



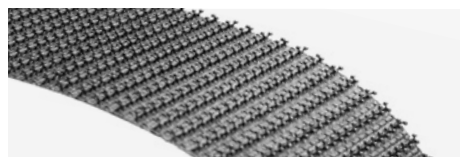
Product Families

Woven Hook & Loop Tapes



- Perfect for applications requiring durable, high strength closures
- Ideal for applications requiring high cycle life ensuring excellent performance
- Available with woven selvages that avoid fraying
- Unnapped loop options for improved visual aesthetics

Woven Mushroom Tapes



- Superior engagement for applications requiring extreme strength
- Ideal for semi-permanent and permanent applications
- Different hook shapes to reach a variety of engagement performances

Knitted Velour Tapes



- Available in multiple widths up to 2,050mm
- Soft, comfortable and gentle to the skin offering a protective cushion system perfect for medical applications
- Variety of thicknesses and weights suitable to achieve different performances, cycle life and softness levels

Woven Elastic Tapes



- Perfect for applications requiring elasticity to help with smooth tightening
- Ideal for applications requiring durability and medium to high cycle life
- Soft and adaptable to different shapes

Woven Self-engaging Tapes



- Single component product to simplify your process
- Non-scratchy options available for delicate materials
- Available in different configurations such as hook & loop on opposite side, woven together on same side or side by side

Woven Non Self-engaging Tapes



- Different product combinations to achieve different performance in cycle life, softness and flexibility
- Hook & loop, hook & hook, loop & loop and loop with customised substrates available
- Suitable as connector or protector
- Perfectly suitable for applications requiring softness and rigidity

Printing & Converting



Printing



Flexography



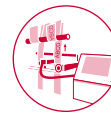
Hot stamping



Pad printing

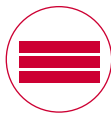


Heat transfer

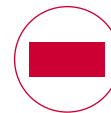


Inkjet printing

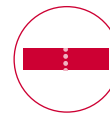
Converting



Slitting



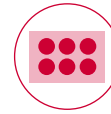
Straight cut



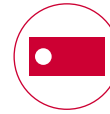
Pre-cut



Die cut



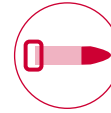
Scored cut



Perforated



Mated



Custom
manufactured
straps



Complete product
assembly

Packaging



Methods of Attachment



Pressure sensitive adhesives
(See VELCRO® Brand Adhesives Range)



Sewing



Heat or solvent activated adhesives
(See VELCRO® Brand Adhesives Range)



Welding



Mechanical



Mold-in



VELCRO® Brand

Woven Hook & Loop Tapes

PRODUCT NAME	General Use		Government Apparel	Chemicals & Outdoor Resistance	Heat & Chemical Resistance		Electrical Features	
	Hook 088 Loop 001	ECO Hook 02J ECO Loop 03P ECO Loop 04P	Military Technical Tape Hook MTT Loop MTT	ALFATEX® Hook Polyester Loop Polyester	HI-TEMP™ Hook & Loop	HI-GARDE™ Hook 46 Loop 8000	Hook Anti Static Loop Anti Static	Hook Conductive Loop Conductive
Base Material	Hook Polyamide	Hook Polyamide	Hook Polyamide 6.6	Hook Polyester	Hook Polyphenylene sulfide	Hook Stainless steel	Hook Carbon polyamide	Hook Polyamide, silver
	Loop Polyamide	Loop 03P Polyamide Loop 04P Polyamide (unnaped)	Loop Polyamide 6.6	Loop Polyester	Loop Polyphenylene sulfide	Loop Stainless steel	Loop Carbon polyamide	Loop Polyamide, silver
Key Benefits*	→ Soft & durable → High cycle life → Wide range	→ Recycled content → Soft & durable → High cycle life	→ Unnaped loop → Woven edges → High performance hook option	→ Easy to recycle → Chemical resistant → Outdoor applications	→ High temperature resistant → Chemical resistant → Electrical insulator	→ Extreme temperature resistant → Flame resistant → Corrosion resistant	→ Electrostatic dissipative → Low electrical conductivity → Woven edges	→ Electrical conductivity → Woven edges → Washing at 60°C
Key Features*	       	       	       	       	    	    	       	   
Applications	→ Apparel & workwear → Orthopaedics → General use	→ Apparel & workwear → Footwear → Bags & accessories	→ Military equipment → Security forces clothing → Workwear & garments	→ Outdoor apparel → Solar panels → Chemical workwear	→ Insulation mattresses → Passive fire protection systems → Electrical equipment	→ Insulation equipment → Industrial ovens → Electronic circuits	→ Protective workwear → Special packaging → Electrical equipment	→ Electronic parts → LED lightning → Smart textiles
Mating Component Fastener for Performance Data	Hook 088 & Loop 001	Hook 02J & Loop 03P Hook 02J & Loop 04P	Hook & Loop MTT	ALFATEX® Hook & Loop Polyester	Hook 82 & Loop 5000	Hook 46 & Loop 8000	Hook & Loop Anti Static	Hook & Loop Conductive
Peel Strength* (Avg.)	2 N/cm	L03P: 3.3 N/cm L04P: 1 N/cm	16 to 50mm: 2 N/cm 107mm: 1.2 N/cm	2 N/cm	1.6 N/cm	1 N/cm	2.3 N/cm	2.3 N/cm
Shear Strength* (Avg.)	10.3 N/cm²	L03P: 12.3 N/cm² L04P: 10.1 N/cm²	16 to 50mm: 18 N/cm² 107mm: 13 N/cm²	10 N/cm²	11.4 N/cm²	15.5 N/cm²	10 N/cm²	10 N/cm²
Tension Strength* (Avg.)	5.5 N/cm²	Upon request	Upon request	Upon request	Upon request	Upon request	Upon request	Upon request
Breaking Strength* (Avg.)	Hook: 300 N/cm Loop: 240 N/cm	Upon request	Upon request	Hook: 300 N/cm Loop: 280 N/cm	Hook: 285 N/cm Loop: 221 N/cm	Upon request	Upon request	Upon request
Cycle Life*	Very High (over 5,000 cycles)	Very High (over 5,000 cycles)	Very High (over 5,000 cycles)	Low (30 to 500 cycles)	Medium (500 to 2,000 cycles)	Low (30 to 500 cycles)	Very High (over 5,000 cycles)	Medium (500 to 2,000 cycles)
Standard Widths	16, 20, 25, 30, 38, 50, 100, 107, 150mm	12.5, 20, 25, 38, 50, 107mm	16, 20, 25, 30, 38, 50, 107mm	16, 20, 25, 30, 38, 50, 100mm	12.5, 20, 25, 50mm	25mm	20, 25, 50mm. Capability 20 to 100mm	25mm
Standard Colours	Hook 088 & Loop 001 Colour Chart and dye to match	Black, white and dye to match	Military colours and dye to match	Black, white	Pearl	Steel grey	Black	Silver

*NOTE: All data in this brochure are for reference only. For proper use please contact us for the product specific technical data sheet.



VELCRO® Brand

Woven Mushroom & Knitted Velour Tapes

PRODUCT NAME	High Engagement Mushroom Hooks			Wide Knitted Velours				
	VEL-LOC® Standard 085 Hook	VEL-LOC® Quadrilobal 083 Hook	VEL-LOC® Super Quadrilobal 064 Hook	Velours Heavy (440-285 g/m ²)	Velours Standard (250-230 g/m ²)	Velours Medium (210-190 g/m ²)	Velours Light (165-115 g/m ²)	Velours Extra Light (100-50 g/m ²)
COMPOSITION AND COMMERCIAL INFORMATION	Base Material	Hook Base: Polyester Mushrooms: Polypropylene	Hook Base: Polyester Mushrooms: Polypropylene	Hook Base: Polyester Mushrooms: Polypropylene	-	-	-	-
		-	-	-	Velour Polyamide	Velour Polyamide	Velour Polyamide	Velour Polyamide or Polyester & mixed
	Key Benefits*	→ High engagement → Firm reliable fastening → Low cycle life applications	→ Very high engagement → Superior shear performance → Limited cycle life applications	→ Extreme engagement → Extreme shear performance → Limited cycle life applications	→ Napped finishing → High softness → Medium cycle life	→ Superior visual finishing → Low pile → Low cycle life	→ Superior visual finishing → Low pile → Low cycle life	→ Slim tape → Smooth finishing → Low cycle life
	Key Features*	      	      	      	      	      	      	      
	Applications	→ Abrasives → Transportation seats → Furniture	→ Building envelope → Floor mats → Furniture	→ Interior panel fixation → Solar panels fixation → Carpet fixation	→ Orthopaedics → Solar panel fixation → Transportation interiors	→ Footwear & apparel → Abrasives → Orthopaedics	→ Colostomy closures → Carpet backing → Sports garments	→ Single use medical devices → Delicate garments/apparel → Wiring harnesses
PERFORMANCE INDICATORS	Mating Component Fastener for Performance Data	Velour 3165	Velour 3165	Velour 3165	VEL-LOC® Standard 085 Hook	VEL-LOC® Standard 085 Hook	VEL-LOC® Standard 085 Hook	-
		Loop 001	Loop 001	Loop 001	Hook 088	Hook 088	Hook MTT	
						ALFATEX® Hook		
	Peel Strength* (Avg.)	V3165: 2 N/cm L001: 8 N/cm	V3165: 8.5 N/cm L001: 4.6 N/cm	V3165: 13 N/cm L001: 24 N/cm	1.1 to 1.8 N/cm	1.5 N/cm	1 to 2.5 N/cm	0.8 N/cm
	Shear Strength* (Avg.)	V3165: 20 N/cm ² L001: 76 N/cm ²	V3165: 46 N/cm ² L001: 67 N/cm ²	V3165: 60 N/cm ² L001: 115 N/cm ²	10 to 23 N/cm ²	16 N/cm ²	7.5 to 15 N/cm ²	13 N/cm ²
	Tension Strength* (Avg.)	V3165: 5 N/cm ² L001: 16 N/cm ²	V3165: 21 N/cm ² L001: 21 N/cm ²	V3165: 20 N/cm ² L001: 30 N/cm ²	Upon request	5 N/cm ²	Upon request	Upon request
CAPABILITIES / OPTIONS	Breaking Strength* (Avg.)	270 N/cm	300 N/cm	315 N/cm	Upon request	80 N/cm	90 N/cm	90 N/cm
	Cycle Life*	Low (30 to 500 cycles)	Limited (less than 30 cycles)	Limited (less than 30 cycles)	Medium (500 to 2,000 cycles)	Low (30 to 500 cycles)	Low (30 to 500 cycles)	Low (30 to 500 cycles)
	Standard Widths	10, 16, 20, 25, 30, 38, 50, 100, 125, 150, 190mm	16, 20, 25, 30, 38, 50, 100, 125, 150, 190mm	10, 16, 20, 30, 50, 100mm	Capability 16 to 1,500mm	Capability 16 to 2,050mm	Capability 16 to 2,050mm	Capability 16 to 2,050mm
CAPABILITIES / OPTIONS	Standard Colours	VEL-LOC® Hook Colour Chart	Black, white, beige, red	Black, white	Black, white and other colours	Velour Standard Colour Chart	Black, white and other colours	Black, white

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VELCRO® Brand

Woven Hook & Loop Specialties

PRODUCT NAME		Elastic Tapes			Self-engaging Tapes			
		ALFATEX® Hook Elastic Woven Loop Elastic Woven	ALFATEX® Loop Elastic Heavy	VELSTRETCH™ Loop 151	ALFA-LOK® Fastener	Double Face 200	ALFATEX® 2 in 1 Hook & Loop	ALFA-LOK® Fastener
COMPOSITION AND COMMERCIAL INFORMATION	Base Material	Hook Polyamide, synthetic rubber	-	-	Hook Base: Polyester Mushrooms: Polypropylene	Hook Polyamide	Hook Polyamide	Hook Polyamide
		Loop Polyamide, synthetic rubber	Loop Polyamide, synthetic rubber	Loop Polyamide, synthetic rubber	-	Loop Polyamide	Loop Polyamide	Loop Polyamide
	Key Benefits*	→ Woven edges → Moderate elasticity → High cycle life	→ Soft to the touch → >100% elongation → Woven edges	→ Soft impact absorber → >55% elongation → Medium cycle life	→ Self-engaging → High performance → Vibration absorbent adhesive	→ Single component → H&L on opposite sides → No delamination	→ Single component → H&L same side → Woven edges	→ Multi-component → Very strong → Wide range of applications
	Key Features*	   	  		   	   	      	   
Applications	→ Apparel → Sports garments → Orthopaedics	→ Footwear & apparel → Military garments → Fetal monitoring belts	→ Workwear & apparel → Sports garments → Orthopaedics	→ Panels & interior fixation → Marine, trains & buses → Display, POS & signage	→ Cable management → Orthopaedics → Sports garments	→ Customised workwear → Upholstery → Automotive interiors	→ Apparel → Abrasion → Orthopaedics	
PERFORMANCE INDICATORS	Mating Component Fastener for Performance Data	ALFATEX® Hook & Loop Elastic Woven	ALFATEX® Hook	Hook 088	ALFA-LOK® Fastener	Self-engaging	Self-engaging	Self-engaging
	Hook 065							
	Peel Strength* (Avg.)	0.9 N/cm	1.6 N/cm	Upon request	1.7 N/cm	2.6 N/cm	1.2 N/cm	1.2 N/cm
	Shear Strength (Avg.)	5.2 N/cm²	4.5 N/cm²	H088: 2.7 N/cm² H065: 3.3 N/cm²	55 N/cm²	18 N/cm²	8.5 N/cm²	8.5 N/cm²
	Tension Strength* (Avg.)	Upon request	Upon request	Upon request	Push: 18 N/cm² Lift: 42 N/cm²	Upon request	Upon request	Upon request
	Breaking Strength* (Avg.)	Hook: 374 N/cm Loop: 330 N/cm	167 N/cm	315.2 N/cm	Upon request	400 N/cm	310 N/cm	Hook: 374 N/cm Loop: 330 N/cm
Cycle Life*	High (2,000 to 5,000 cycles)	High (2,000 to 5,000 cycles)	Medium (500 to 2,000 cycles)	Low (30 to 500 cycles)	Low (30 to 500 cycles)	High (2,000 to 5,000 cycles)	High (2,000 to 5,000 cycles)	
CAPABILITIES / OPTIONS	Standard Widths	20, 25, 30, 38, 50mm	20, 25, 30, 38, 50mm	16, 19, 25, 38, 50mm	25mm	25, 40mm	20, 25, 30, 38, 50, 100mm	16, 19, 25, 38, 50mm
	Standard Colours	Black, white	Black, white, sand	Black, white and other colours	Black, white	Black, white, grey	Black, white and other colours	Hook: ALFA-LOK® Loop: ALFATEX®

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Types			Non Self-engaging Tapes
Back to Back Hook & Loop	ALFATEX® Back to Back Hook & Velour Uncoated	ALFATEX® Back to Back VEL-LOC® Quadrilobal 083 Hook & Velour Standard	ALFATEX® Back to Back Velour Standard
Hook Polyamide	Hook Polyamide	Hook Base: Polyester Mushrooms: Polypropylene	Velour Polyamide
Loop Polyamide	Velour Polyamide	Velour Polyamide	Velour Polyamide
Multiple H&L combinations → High cycle life → Wide colour range	→ Soft and durable → High cycle life → Wide colour range	→ High engagement → Low cycle life → Resistant to solvents & chemicals	→ Impact absorber → Soft & durable → Connector & protector
   	  	   	      
Apparel & workwear Accessories Orthopaedic braces	→ Customised workwear → Abrasives intermediate pads → Cable management	→ Military equipment → Abrasives intermediate pads → Sports equipment	→ Sports accessories → Furniture → Orthopaedic braces
Self-engaging	Self-engaging	Self-engaging	If mated with VEL-LOC® Standard 085 Hook
2 N/cm	1.7 N/cm	8.5 N/cm	1.6 N/cm
10.3 N/cm²	10 N/cm²	46 N/cm²	20 N/cm²
5.5 N/cm²	Upon request	21 N/cm²	Upon request
Hook: 300 N/cm Loop: 240 N/cm	Upon request	Upon request	Upon request
Very High (over 5,000 cycles)	High (2,000 to 5,000 cycles)	Low (30 to 500 cycles)	Low (30 to 500 cycles)
20, 25, 30, 38, 50, 100, 125mm	Capability 20 to 160mm	12, 16, 20, 25, 30, 38, 50, 100mm	Capability 10 to 450mm
088 & Loop 001 and ALFATEX® Hook & Loop Colour Chart	Black	Black, white	Black, white

Special Characteristics

PRODUCT ENGAGEMENT & CONSTRUCTION



WOVEN HOOK & WOVEN LOOP



WOVEN MUSHROOM & WOVEN LOOP / VELOUR



WOVEN LOOP / VELOUR
& WOVEN LOOP / VELOUR



SELF-ENGAGING

SPECIAL CHARACTERISTICS



AVAILABLE WITH F.R. TREATMENT



CONTROLLED REFLECTANCE (IR)



CONDUCTIVE



ANTISTATIC



ELECTRICAL INSULATOR



WEATHER RESISTANCE



RESISTANT TO SOLVENTS & CHEMICALS



CONTAINS RECYCLED MATERIAL



WASHABLE AT 40°C



WASHABLE AT 60°C



WASHABLE AT 95°C



COLOUR FASTNESS



SHRINKAGE RESISTANCE



AVAILABLE WITH PRESSURE SENSITIVE ADHESIVE (PSA)



OEKO-TEX® STANDARD 100



CUSTOMISED PRINTING

Velcro Companies is a technology-driven, global organization providing fastening solutions that solve problems in simple, elegant and surprising ways for businesses and consumers around the world. We have a heritage of innovation spanning more than 60 years and own over 350 active patents and numerous trademarks, including the VELCRO® trademark, which is registered throughout the world. We develop and deliver solutions for customers through an integrated production and service system that includes manufacturing locations in the United States, Mexico, Uruguay, Spain, Belgium, China and Vietnam and sales offices around the world.

To buy genuine VELCRO® Brand products and to find out more about our company, visit www.velcro.com

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AMERICAS

USA

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

Mexico

Velcro de México, S.A. de C.V.
Tlalnepantla de Baz,
Edo. de México
Tel: (+52) 55 5005 3300
infovmex@velcro.com
www.velcro.com.mx

León, Gto
Tel: (+52) 477 980 0630
infovmex@velcro.com
www.velcro.com.mx

Uruguay

Velcroindustrial
del Uruguay S.A.
Tel: (+598) 2288 0008
infovurg@velcro.com
www.velcro.com.uy

Brazil

Velcro Brasil Importação,
Exportação e Comércio de
Sistemas de Fixação Ltda.

Novo Hamburgo,
Rio Grande do Sul
Tel: (+55) 21 2018 3058
infovbra@velcro.com
www.velcro.com.br

Sumaré, São Paulo
Tel: (+55) 21 2018 3058
infovbra@velcro.com
www.velcro.com.br

Argentina

Velcro Argentina S.A.
Tel: (+598) 2288 0008
infovarg@velcro.com
www.velcro.com.ar

EMEA

Spain

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

Germany

Velcro GmbH
Tel: (+49) 7141 991 19-0
infovgmh@velcro.com
www.velcro.de

France

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

Belgium

Velcro Belgium NV
Tel: (+32) 9 386 12 18
infofbe@velcro.com
www.velcro.be

Italy

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

UK

Velcro Limited
Tel: (+44) 1606 738 806
infovld@velcro.com
www.velcro.co.uk

Poland

Velcro Poland Sp. z o.o.
Tel: (+48) 71 661 90 34
infovpl@velcro.com
www.velcro.pl

APAC

Australia

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

China

Velcro China Fastening
Systems Company Limited
Tel: (+86) 512 8164 5888
infovch@velcro.com
www.velcro.com.cn

Hong Kong

Velcro Hong Kong Limited
Tel: (+852) 2571 9500
infovhk@velcro.com
www.velcro.com.hk

Vietnam

Velcro Vietnam Company Limited
Tel: (+84) 274 2222 497
infovvn@velcro.com
www.velcro.com