

VELCRO® Brand

# Textile Hook and Loop Tapes



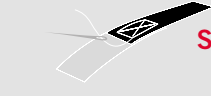
WOVEN HOOKS & MUSHROOMS • WOVEN, KNITTED & NONWOVEN LOOPS



## METHODS OF ATTACHMENT



**Pressure sensitive adhesives**  
(See VELCRO® Brand Adhesives Range)



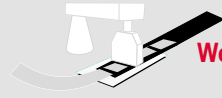
**Sewing**



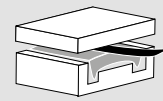
**Mechanical**



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



**Welding**



**Mold-in**

## FABRICATION



**Slitting**



**Scored cut**



**Custom manufactured straps**



**Pre-cut**



**Mated**



**Complete product assembly**

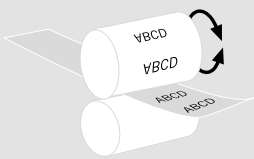


**Die cut**

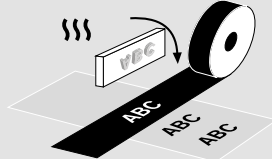


**Perforated**

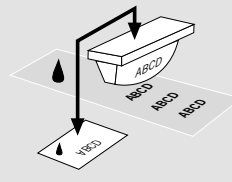
## PRINTING



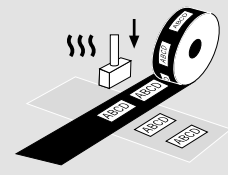
**Flexography**



**Hot stamping**



**Pad printing**



**Heat transfer**

## PACKAGING



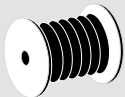
**Rolls**



**Sealed bag**



**Bundling**



**Spools**



**Blister**



**Bulk**



**Shipping boxes**



**Folding boxes**



**Customised packaging**



**Labels**

## APPLICATIONS



APPAREL



CONSTRUCTION



MEDICAL



MILITARY &  
GOVERNMENT



PACKAGING



PERSONAL  
CARE



TRANSPORTATION



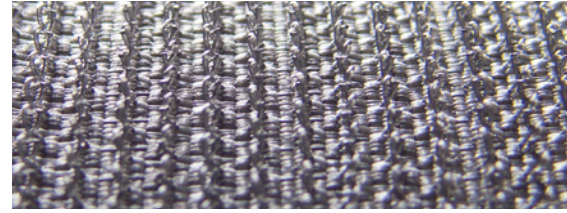
INDUSTRIAL



SPECIALTIES




VELCRO® Brand  
**Hook Tapes**

WOVEN HOOK TAPES CONSIST OF MINUTE, FLEXIBLE HOOKS OR MUSHROOMS WHICH ENGAGE WITH A MATING WOVEN, KNITTED OR NONWOVEN LOOP TAPE COMPRISED OF SMALL, SOFT LOOPS OR YARNS



 **WOVEN HOOKS**

 **WOVEN MUSHROOMS**

CHARACTERISTICS	Hook 088 *	Hook MTT *****	Hook PSI *****	Hook 066 HI-AIR® *	Hook 081 Polyester *	VEL-LOC® 085 *	SUPER VEL-LOC® 083 *	SUPER VEL-LOC® Quadrilobal *
SUGGESTED MATING COMPONENTS	Loop 001	Loop MTT	Loop PSI	Loop 003 HI-AIR®	Loop 9000 Polyester	Velour 3165	Loop 001	Loop 001
BASE MATERIAL	Polyamide	Polyamide	Polyamide	Polyamide NOMEX® fibers <sup>1</sup>	Polyester	Polyester Polypropylene	Polyester Polypropylene	Polyester Polypropylene
CONSTRUCTION	Heavy duty hook tape	Woven edges	Woven edges	Woven edges	Woven	Mushroom hook	High density mushroom hook	Agressive "arrow head" mushroom hook
 CYCLE LIFE	High	High	High	Medium	Medium	Low	Low	Low
 PEEL STRENGTH (AVERAGE)	2 N/cm	1.1 N/cm ***	**	0.9 N/cm ****	0.9 N/cm ****	2 N/cm	7 N/cm	24 N/cm
 SHEAR STRENGTH (AVERAGE)	10.3 N/cm <sup>2</sup>	8 N/cm <sup>2</sup> ***	**	-	5.5 N/cm <sup>2</sup> ****	20 N/cm <sup>2</sup>	70 N/cm <sup>2</sup>	115 N/cm <sup>2</sup>
BREAKING STRENGTH (MINIMUM)	210 N/cm	-	**	-	-	220 N/cm	350 N/cm	Min. 300 N/cm
STANDARD COLOURS	20 colours	Black, white	Black, white, nato green, navy blue, royal blue, coyote, sable (desert)	Natural	Black, white, camouflage green	10 colours	Black, white, beige, grey	Black, white
STANDARD WIDTHS (mm)	16,20,25 30,38,50 100,107 150	16, 20, 25, 30, 38, 50, 105	16, 20, 25, 30, 38, 50, 105	25.4mm (1") 50.8mm (2")	25.4mm (1") 50.8mm (2") 101.6mm (4")	16, 20, 25, 30, 38, 50, 100, 125, 160, 190	16, 20, 30, 50, 100	Max. 111
STANDARD PUT-UPS	25m rolls	25m rolls	25m rolls	45.72m (50 yd) rolls	45.72m (50 yd) rolls	25m rolls	25m rolls	25m rolls
	Consumer boxes					Consumer boxes		
	Spools					Spools		

\* Available with Fire Resistance Treatment or F.R.T (meets FAR 25853 (vertical test 12 sec.) and FMVSS302).  
 \*\* Meets military requirements established by the French Army standard (Brochure GP/EM/TC 5508).  
 \*\*\* Minimum value reference to 25mm tape for other widths please request information.  
 \*\*\*\* Minimum value reference.  
 \*\*\*\*\* Infrared treatments available upon request.






VELCRO® Brand  
**Loop Tapes**

A DIVERSITY OF WOVEN, KNITTED OR NONWOVEN LOOP TAPES ARE AVAILABLE TO MEET DIFFERENT PERFORMANCE CHARACTERISTICS WHEN COMBINED WITH WOVEN OR PLASTIC HOOK TAPES



 **WOVEN LOOPS**

CHARACTERISTICS	Loop 001*	Loop Pre-shrunk	Loop 002	Loop PSI*****	Loop MTT*****	Loop 003 HI-AIR®*	Loop 9000 Polyester*	VELSTRETCH®
<b>SUGGESTED MATING COMPONENTS</b>	Hook 088	Hook 088	Hook PSI	Hook PSI	Hook MTT	Hook 066 HI-AIR®	Hook 081 Polyester	Hook 065
<b>BASE MATERIAL</b>	Polyamide	Polyamide	Polyester Polyamide	Polyamide	Polyamide	Polyamide NOMEX® fibers <sup>1</sup>	Polyester	Polyamide Elastane
<b>CONSTRUCTION</b>	Napped finish	Napped pre-shrunk	Unnapped finish Woven edges	Unnapped finish Woven edges	Unnapped finish Woven edges	Unnapped finish Woven edges	Unnapped finish	Woven elastic
 <b>CYCLE LIFE</b>	High	High	High	High	High	Medium	Medium	Medium
 <b>PEEL STRENGTH (AVERAGE)</b>	2 N/cm	2 N/cm	0.9 N/cm	**	1.1 N/cm ***	0.9 N/cm ****	0.9 N/cm ****	-
 <b>SHEAR STRENGTH (AVERAGE)</b>	10.3 N/cm <sup>2</sup>	10.3 N/cm <sup>2</sup>	12 N/cm <sup>2</sup>	**	8 N/cm <sup>2</sup> ***	-	5.5 N/cm <sup>2</sup> ****	3.1 N/cm <sup>2</sup> ****
<b>BREAKING STRENGTH (MINIMUM)</b>	210 N/cm	210 N/cm	-	**	-	-	-	315 N/cm
<b>STANDARD COLOURS</b>	20 colours	White	Royal blue, white, grey, red, green, yellow	Black, white, nato green, navy blue, royal blue, coyote, sable (desert)	Black, white	Natural	Black, white, camouflage green	Black, white, beige, navy blue, raw
<b>STANDARD WIDTHS (mm)</b>	16, 20, 25, 30, 38, 50, 100, 107, 150	20, 100	105	16, 20, 25, 30, 38, 50, 105	16, 20, 25, 30, 38, 50, 105	25.4mm (1") 50.8mm (2")	25.4mm (1") 50.8mm (2") 101.6mm (4")	15.88mm (5/8") 19.01mm (3/4") 25.4mm (1") 38.1mm (1-1/2") 50.8mm (2")
<b>STANDARD PUT-UPS</b>	25m rolls Consumer boxes Spools	25m rolls	100m rolls	25m rolls	25m rolls	45.72m (50 yd) rolls	45.72m (50 yd) rolls	36.58m (40 yd) rolls

<sup>1</sup> NOMEX® is a reg. tm of E.I. du Pont de Nemours and Company.

## TYPES OF CLOSURES



Woven hook & woven loop



Woven mushroom & knitted loop



Plastic hook & nonwoven loop

### KNITTED LOOPS

### NONWOVEN LOOPS

Velour 401		Velour 3165 standard		Velour 3894 light		Velour 3969		Velour 3200		FNL 264	FNL 403
Hook 088		VEL-LOC® 085		VEL-LOC® 085		VEL-LOC® 085		VEL-LOC® 085		Hook 819	Hook 847
Polyamide		Polyamide		Polyamide		Polyamide		Polyester		Polypropylene Polyester	Polypropylene
Wrap knit Napped finish High pile		Wrap knit Napped finish Low pile		Wrap knit Napped finish Low pile		Wrap knit Napped finish Low pile		Wrap knit Light weight Ideal for disposable products		Nonwoven	Nonwoven
Medium		Low		Low		Low		Low		Low	Low
1.8 N/cm		1.5 N/cm		1 N/cm		0.8 N/cm		2 N/cm		1.6 N/cm	1.7 N/cm
3 N/cm <sup>2</sup>		16 N/cm <sup>2</sup>		15 N/cm <sup>2</sup>		13 N/cm <sup>2</sup>		15 N/cm <sup>2</sup>		12.1 N/cm <sup>2</sup>	8.1 N/cm <sup>2</sup>
80 N/cm		55 N/cm		65 N/cm		65 N/cm		25 N/cm		-	-
Black, white, raw, grey		10 colours		Black, white, beige, grey		Black, white		White		White	White
16, 20, 25, 30, 38, 50, 100, 125	1500	16, 20, 25, 30, 38, 50, 100, 125	1400	16, 20, 25, 30, 38, 50, 100, 125	1400	16, 20, 25, 30, 38, 50, 100, 125	1400	20, 25, 30, 40, 50, 70, 100	1500	101.6mm (4") 3,048mm (120")	101.6mm (4") 3,048mm (120")
25m rolls	25m rolls	25m rolls	51m rolls	25m rolls	51m rolls	25m rolls	51m rolls	50m rolls	51m rolls	3,600m rolls	3,600m rolls

**NOTE:** All data in this catalog is for reference only. Please contact us for more information.



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 400 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, Belgium, Canada, Mexico, Uruguay, Spain and China and sales offices around the world.

To buy genuine VELCRO® Brand products and to find out more about our company, visit [Velcro.com](http://Velcro.com)



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