

VELCRO® Brand

# Plastic Hook Tapes



HOOK, DOUBLE FACE HOOK-HOOK & SELF-ENGAGING HOOK TAPES •  
HOOK LAMINATION TECHNOLOGY



## METHODS OF ATTACHMENT



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



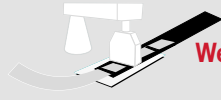
**Sewing**



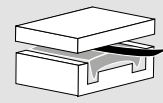
**Mechanical**



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

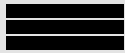


**Welding**



**Mold-in**

## FABRICATION



**Slitting**



**Scored cut**



**Custom manufactured straps**



**Pre-cut**



**Mated**



**Complete product assembly**

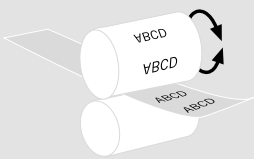


**Die cut**

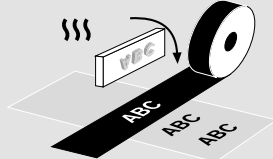


**Perforated**

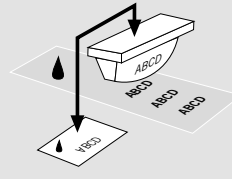
## PRINTING



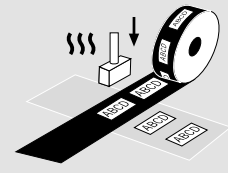
**Flexography**



**Hot stamping**



**Pad printing**



**Heat transfer**

## PACKAGING



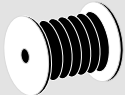
**Rolls**



**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

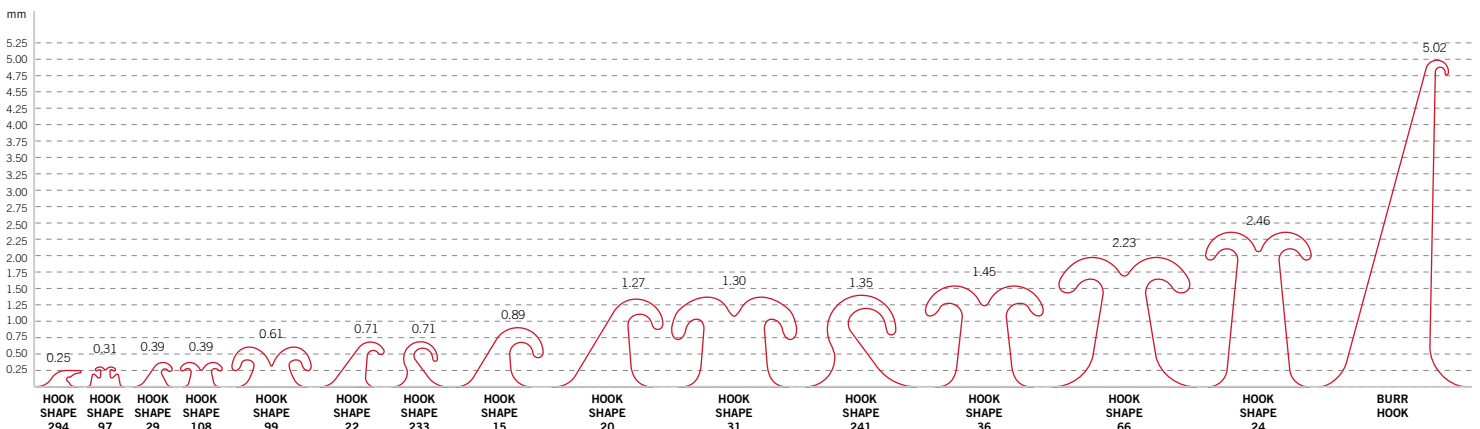
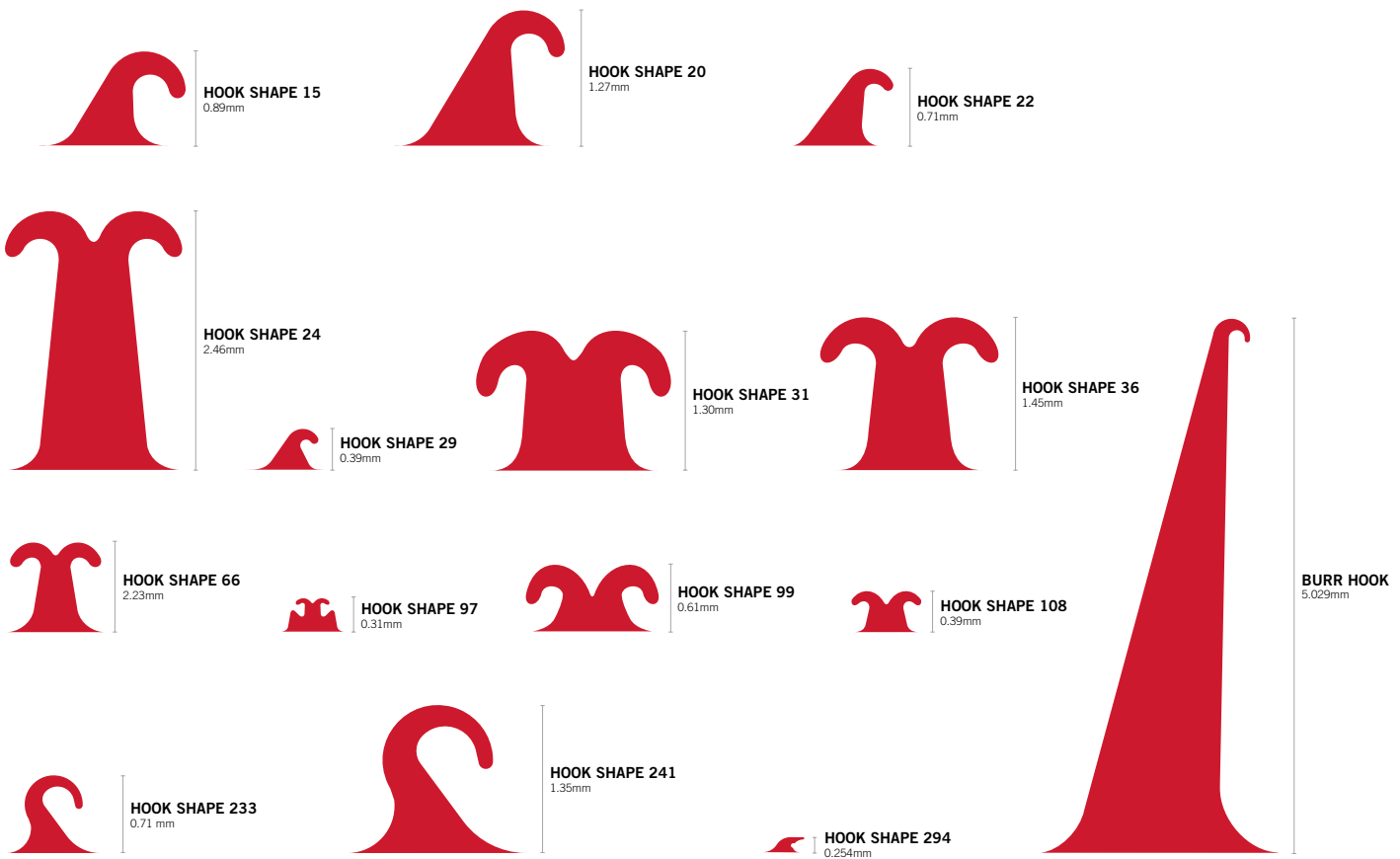
VELCRO® Brand  
**Plastic Hook Tapes**



**Features**

- Thin, flexible, resilient and tough
- Several proprietary hook shapes
- Available in widths up to 320 mm
- Customised colours upon request
- Hook density up to over 500/cm<sup>2</sup>
- Designed to engage a full range of loop fabrics
- Cycling capabilities from disposable to long cycle life
- Dielectrically and sonically sealable, sewable
- Flexibility-ideal for stitching and slitting, as well as straight and die-cutting
- Adaptability from unidirectional hooks to wide selvages or channels

**Shapes**



VELCRO® Brand

# Plastic Hook Tapes

PLASTIC TAPES ARE ENGINEERED MOLDED HOOK SHAPES DESIGNED FOR SUPERIOR PERFORMANCE CHARACTERISTICS WITH A WIDE VARIETY OF WOVEN, KNITTED OR NONWOVEN LOOP TAPES



CHARACTERISTICS	SHAPE 20			SHAPE 22				
	60 hooks/cm <sup>2</sup>			137 hooks/cm <sup>2</sup>				
DENSITY	Medium to high profile loops			Low profile loops				
SUGGESTED MATING COMPONENTS	Medium to high profile loops			Low profile loops				
PRODUCT NAME	Hook 720	Hook 820	Hook 822	Hook 722	Hook 742	Hook 766	Hook 805*	Hook 811
BASE MATERIAL	Hook: Polyamide 6.6	Hook: Polyamide 6.6	Hook: Polypropylene	Hook: Polyamide 6.6	Hook: Polypropylene	Hook: Polypropylene	Hook: Polyamide 12	Hook: Polyethylene
	Backing: Velour 3200 (polyester)	Without backing	Without backing	Backing: Velour 3200 (polyester)	Backing: Nonwoven (polypropylene)	Backing: Velour 3200 (polyester)	Without backing	Without backing
MELTING POINT (HOOK)	250 °C	250 °C	150 °C	250 °C	150 °C	150 °C	169 °C	120 °C
LOOP FOR DATA REFERENCE	Loop 001	Loop 001	Loop 001	Velour 3165	Loop 001 Velour 3165	Velour 3165	Velour 3165	Velour 3165
CYCLE LIFE	High	High	High	High	Medium/Low	Medium	High	Medium
PEEL STRENGTH (MINIMUM)	2 N/cm	2.4 N/cm	1.5 N/cm	1 N/cm	0.8 N/cm	0.6 N/cm	0.6 N/cm	0.6 N/cm
SHEAR STRENGTH (MINIMUM)	20 N/cm <sup>2</sup>	18 N/cm <sup>2</sup>	12.5 N/cm <sup>2</sup>	25 N/cm <sup>2</sup>	10 N/cm <sup>2</sup>	8 N/cm <sup>2</sup>	8 N/cm <sup>2</sup>	8 N/cm <sup>2</sup>
STANDARD COLOURS	Black	Black, white	White	Black	Black, white, beige	Black, white	Black, white	Black, white
SOME APPLICATIONS	Specialties	Packaging: rigid packaging Specialties: technical applications	Packaging: rigid packaging Specialties: technical applications	Construction: polishing disc Specialties	Apparel: sofa covers	Construction: polishing disc Specialties	Construction: polishing disc Medical: orthopaedics Specialties: helmets, technical applications	Medical: disposable
DISTINCTIVE CHARACTERISTICS	Good foam adhesion Strong fastener	Strong peel and shear	Strong peel and shear	Good foam adhesion Strong shear	Sewable	Excellent for limited cycle life	Sewable High frequency weldable	Sterilisable

NOTE: All the data indicated in this brochure are for reference only. Please, contact us for more detailed information.

\* Available with Antibacterial Treatment.

# Plastic Hook Tapes



HOOK

CHARACTERISTICS	SHAPE 22		SHAPE 24				SHAPE 29			
	137 hooks/cm <sup>2</sup>		20 hooks/cm <sup>2</sup>				272 hooks/cm <sup>2</sup>			
DENSITY	Low profile loops		High profile loops				Low profile loops to nonwoven fabrics			
SUGGESTED MATING COMPONENTS										
PRODUCT NAME	Hook 848	Hook 866	Hook 733	Hook 751	Hook 759	Hook MVA8-E	Hook 790	Hook 830	Hook 835	Hook 839
BASE MATERIAL	Hook: Vinyl	Hook: Polypropylene	Hook: Polyethylene	Hook: Polyamide 6.6	Hook: Polyamide 6.6	Hook: Polyamide 6.6	Hook: Polypropylene	Hook: Polypropylene	Hook: Polyamide 6.6	Hook: Polyamide 12
	Without backing	Without backing	Without backing	Without backing	Backing: Velour 3200 (polyester)	Without backing	Backing: Nonwoven (polypropylene)	Without backing	Without backing	Without backing
MELTING POINT (HOOK)	145 °C	150 °C	160 °C	250 °C	250 °C	250 °C	150 °C	150 °C	250 °C	169 °C
LOOP FOR DATA REFERENCE	Velour 3610	Velour 3165	Loop 001	Loop 001	Loop 001	Loop 001	Velour 3165	Velour 3165	Velour 3165	Velour 3165
CYCLE LIFE	Medium	Medium	Medium	High/Medium	High/Medium	High/Medium	Medium/Low	Medium/Low	High	High
PEEL STRENGTH (MINIMUM)	0.7 N/cm	0.6 N/cm	2 N/cm	1.5 N/cm	1.5 N/cm	1.5 N/cm	0.6 N/cm	0.6 N/cm	1.2 N/cm	0.6 N/cm
SHEAR STRENGTH (MINIMUM)	17.2 N/cm <sup>2</sup>	8 N/cm <sup>2</sup>	12 N/cm <sup>2</sup>	12 N/cm <sup>2</sup>	-	12 N/cm <sup>2</sup>	8.6 N/cm <sup>2</sup>	8.6 N/cm <sup>2</sup>	25 N/cm <sup>2</sup>	15 N/cm <sup>2</sup>
STANDARD COLOURS	Black, white, natural	Black, white, natural	Black	Black, natural	Black	Black, natural	Black, white	Black, white, natural	Black	Black
SOME APPLICATIONS	<b>Medical:</b> pouches, blood pressure cuffs, compression devices <b>Industrial:</b> applications requiring PVC compatibility	<b>Construction:</b> carpet <b>Medical:</b> deep vein thrombosis <b>Packaging:</b> rigid packaging	<b>Construction:</b> roofing, outdoors applications	<b>Construction</b> Transportation	<b>Specialties</b>	<b>Transportation</b>	<b>Apparel:</b> sofa covers	<b>Packaging</b> <b>Medical</b> <b>Industrial:</b> general use	<b>Packaging:</b> rigid packaging <b>Construction:</b> polishing disc <b>Transportation</b>	<b>Construction:</b> polishing disc <b>Transportation</b> <b>Specialties:</b> helmets
DISTINCTIVE CHARACTERISTICS	High frequency weldable	Reduced number of uses	UV resistant	Very strong fixation	Good adhesion on foaming process Excellent molding feature High shear strength	Edges allowing sewing and high frequency welding Strong fixation	Sewable	Reduced number of uses	Sewable High shear strength Temperature resistant	High frequency weldable High cycle life

# Plastic Hook Tapes



## HOOK



## SELF-ENGAGING HOOK

CHARACTERISTICS	HOOK			SELF-ENGAGING HOOK		
	SHAPE 36	SHAPE 97	SHAPE 108		SHAPE 233	SHAPE 241
DENSITY	20 hooks/cm <sup>2</sup>	310 hooks/cm <sup>2</sup>	140 hooks/cm <sup>2</sup>		250 hooks/cm <sup>2</sup>	55 hooks/cm <sup>2</sup>
SUGGESTED MATING COMPONENTS	Medium to high profile loops	Low profile loops to nonwoven fabrics	Low profile loops to nonwoven fabrics		Self-engaging	
PRODUCT NAME	<b>Hook 736</b>	<b>Hook 819</b>	<b>Hook 798</b>	<b>Hook 847</b>	<b>PRESS-LOK® 731</b>	<b>PRESS-LOK® 241</b>
BASE MATERIAL	<b>Hook:</b> Polyamide 6.6	<b>Hook:</b> Polypropylene	<b>Hook:</b> Polypropylene	<b>Hook:</b> Polypropylene	<b>Hook:</b> Polypropylene	<b>Hook:</b> Polyethylene
	<b>Backing:</b> Velour 3200 (polyester)	<b>Without backing</b>	<b>Backing:</b> Nonwoven (polypropylene)	<b>Without backing</b>	<b>Without backing</b>	<b>Without backing</b>
MELTING POINT (HOOK)	250 °C	150 °C	150 °C	150 °C	150 °C	120 °C
LOOP FOR DATA REFERENCE	Loop 001	Velour 3905	Velour 3905	Velour 3905	PRESS-LOK® 731	PRESS-LOK® 241
CYCLE LIFE	High	Low	Low	Low	High	High
PEEL STRENGTH (MINIMUM)	1.5 N/cm	0.15 N/cm	0.4 N/cm	0.4 N/cm	*Td: 0.4 N/cm <sup>1</sup>	-
					**Cd: 1.3 N/cm <sup>1</sup>	-
SHEAR STRENGTH (MINIMUM)	12 N/cm <sup>2</sup>	-	16 N/cm <sup>2</sup>	16 N/cm <sup>2</sup>	*Td: 47 N/cm <sup>2</sup>	*Td: 34 N/cm <sup>2</sup>
					**Cd: 37 N/cm <sup>2</sup>	**Cd: 7 N/cm <sup>2</sup>
STANDARD COLOURS	Black	Natural	Blue	Natural	Natural	Natural
SOME APPLICATIONS	<b>Construction:</b> polishing disc <b>Specialties</b>	<b>Personal care:</b> diapers	<b>Industrial:</b> general use	<b>Medical</b> <b>Personal Care:</b> diapers	<b>Medical:</b> disposable <b>Packaging:</b> stationery, promotional gift	<b>Construction:</b> panels fixation <b>Packaging:</b> rigid packaging
DISTINCTIVE CHARACTERISTICS	High shear strength Good adhesion	Disposable Improved performance with nonwovens	High shear Improved tear resistance Compatible with PS adhesives	Disposable High shear resistance	Self-engaging hook (no fibre particles) High shear resistance Audible closure click	Self-engaging hook (no fibre particles) High shear resistance Audible closure click










<sup>1</sup> Peel strength is highly affected by the substrate it is applied on.

\*Tape direction. \*\*Cross direction.

# VELCRO® Brand Hook Lamination Technology

PATENTED ONE-WRAP® & FLEX-ZONE™ TECHNOLOGIES PROVIDE THE ABILITY TO EXTRUDE HOOKS OR FLAT-ZONES CONTINUOUSLY ON A VARIETY OF LAMINATES AND SUBSTRATES



	FULL WIDTH HOOK COVERAGE 		SINGLE HOOK LANE 				MULTIPLE HOOK LANES 
CHARACTERISTICS	SHAPE 29 		SHAPE 29 				SHAPE 108 
DENSITY	272 hooks/cm <sup>2</sup>		272 hooks/cm <sup>2</sup>				152 hooks/cm <sup>2</sup>
SUGGESTED MATING COMPONENTS	Self-engaging		Self-engaging				Nonwoven loops
PRODUCT NAME	ONE-WRAP® 29	BUNDLE TIE	FLEX-ZONE™ Hook 703	FLEX-ZONE™ Hook 796	FLEX-ZONE™ Hook 797	FLEX-ZONE™ Hook 898	MESH 701
BASE MATERIAL	Hook: Polypropylene	Hook: Polypropylene	Hook: Polypropylene	Hook: Polypropylene	Hook: Polypropylene	Hook: Polypropylene	Hook: Polypropylene
	Backing: Velour 3800 (polyamide)	Backing: Nonwoven	Backing: Velour 3610 (polyamide)	Backing: Velour 3905 (polyamide)	Backing: Nonwoven (polyester)	Backing: Velour 3905 (polyamide)	Backing: Nonwoven (polypropylene)
MELTING POINT (HOOK)	150 °C	120 °C	150 °C	150 °C	150 °C	150 °C	150 °C
LOOP FOR DATA REFERENCE	ONE-WRAP® 29	Velour 3100	Velour 3610	Velour 3905	Nonwoven (polyester)	Velour 3905	Velour 3905
CYCLE LIFE 	Medium	Low	Medium/Low	Medium/Low	Medium/Low	Medium/Low	Low
PEEL STRENGTH (MINIMUM) 	0.4 N/cm	-	0.4 N/cm	0.4 N/cm	0.9 N/cm	0.9 N/cm	0.6 N/cm
SHEAR STRENGTH (MINIMUM) 	7 N/cm <sup>2</sup>	14 N/cm <sup>2</sup>	10 N/cm <sup>2</sup>	10 N/cm <sup>2</sup>	13 N/cm <sup>2</sup>	13 N/cm <sup>2</sup>	16 N/cm <sup>2</sup>
STANDARD COLOURS	Black, white, yellow, green, blue, red	Moss green	Hook: Black	Hook: Black	Hook: Natural	Hook: Natural	Natural
			Backing: White	Backing: White, grey	Backing: White	Backing: White	
STANDARD WIDTH (mm)	-	-	Overall: 200	Overall: 200, 300	Overall: 235	Overall: 200	Overall: 90
	-	-	Hook lane: 30	Hook lane: 15	Hook lane: 10	Hook lane: 12	Hook lane: 15/15
EASY PEEL FEATURE	-	-	Yes	Yes	Yes	Yes	-
SOME APPLICATIONS	<b>Transportation:</b> cable protection and handling Ideal for fibre optics  <b>Specialties:</b> bundling	<b>Specialties:</b> agriculture and plant tie	<b>Transportation:</b> cable protection and handling  <b>Specialties:</b> bundling	<b>Transportation:</b> cable protection and handling  <b>Specialties:</b> bundling	<b>Transportation:</b> cable protection and handling  <b>Specialties:</b> bundling	<b>Transportation:</b> cable protection and handling  <b>Specialties:</b> bundling	<b>Personal care:</b> diapers
DISTINCTIVE CHARACTERISTICS	Hook-loop lamination without the use of adhesives Strong self-engaging	Hook-nonwoven lamination without the use of adhesives Disposable self-engaging	Disposable self-engaging	Disposable self-engaging	Disposable self-engaging	Disposable self-engaging	Ideal for closure with nonwovens



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 50 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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