

VELCRO® Brand

# Plastic Hook Tapes



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



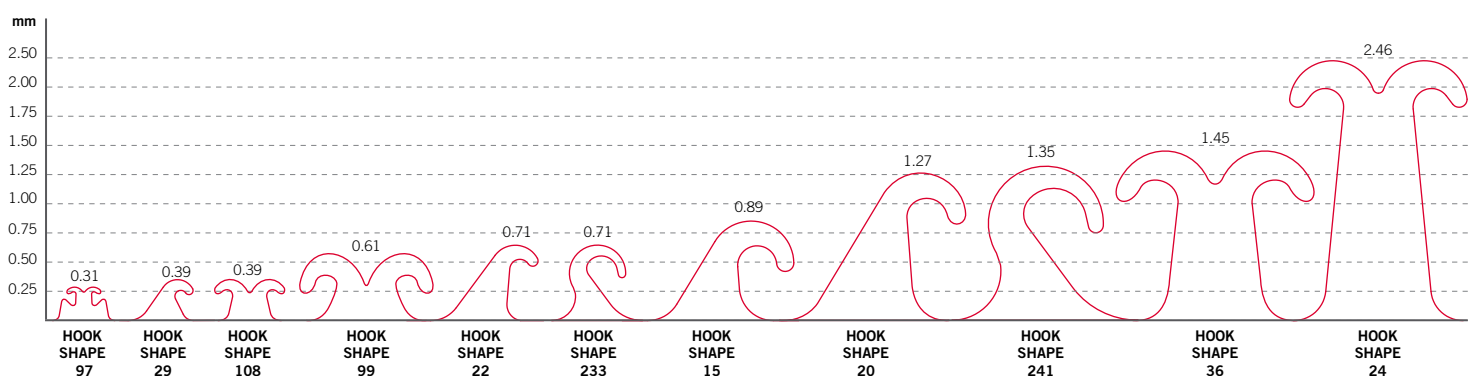
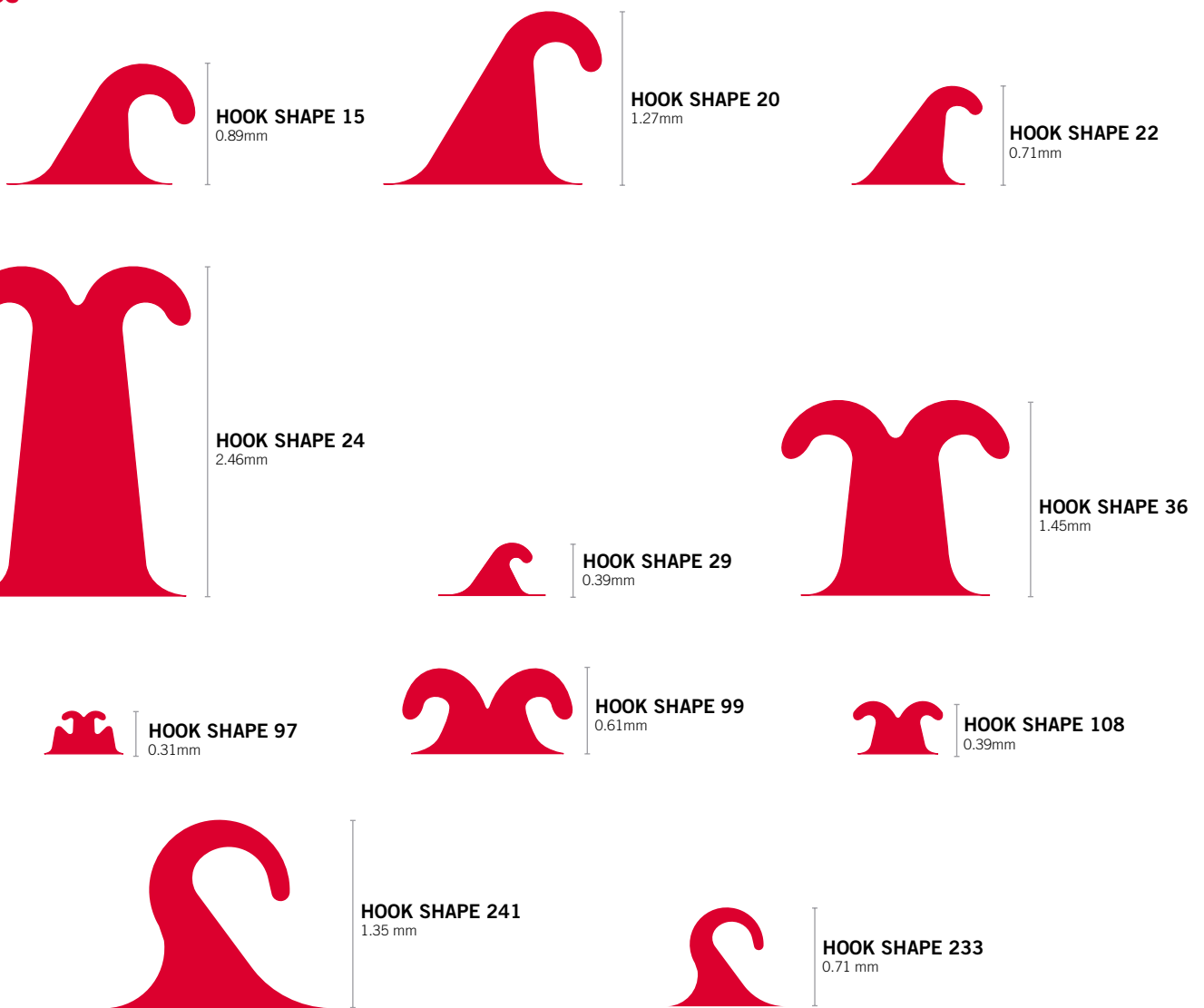
# VELCRO® Brand Plastic Hook Tapes



## 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



<div> HOOK</div>									
CHARACTERISTICS	<div> SHAPE 20</div>			<div> SHAPE 22</div>					
DENSITY	60 hooks/cm <sup>2</sup>			137 hooks/cm <sup>2</sup>					
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.

VELCRO® Brand










# Plastic Hook Tapes



CHARACTERISTICS	 <b>SHAPE 22</b>		 <b>SHAPE 24</b>				 <b>SHAPE 29</b>		
	137 hooks/cm <sup>2</sup>		20 hooks/cm <sup>2</sup>				272 hooks/cm <sup>2</sup>		
	Low profile loops		High profile loops				Low profile loops to nonwoven fabrics		
PRODUCT NAME	Hook 848	Hook 866	Hook 733	Hook 751	Hook 759	Hook MVA8-E	Hook 790	Hook 830	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 12
	Without backing	Without backing	Without backing	Without backing	Backing: Velour 3200 (polyester)	Without backing	Backing: Nonwoven (polypropylene)	Without backing	Without backing
MELTING POINT (HOOK)	145 °C	150 °C	160 °C	250 °C	250 °C	250 °C	150 °C	150 °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
 <b>CYCLE LIFE</b>	Medium	Medium	Medium	High/ Medium	High/ Medium	High/ Medium	Medium/Low	Medium/Low	High
 <b>PEEL STRENGTH (MINIMUM)</b>	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	0.6 N/cm
 <b>SHEAR STRENGTH (MINIMUM)</b>	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>	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
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>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	High frequency weldable High cycle life

# Plastic Hook Tapes



	 HOOK				 DOUBLE FACE HOOK-HOOK		 SELF-ENGAGING HOOK	
CHARACTERISTICS	 SHAPE 36	 SHAPE 97	 SHAPE 108		 SHAPE 99 - SHAPE 15		 SHAPE 233	 SHAPE 241
DENSITY	20 hooks/cm <sup>2</sup>	310 hooks/cm <sup>2</sup>	140 hooks/cm <sup>2</sup>		58 hooks/cm <sup>2</sup>	116 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		Low to medium profile loops		Self-engaging	
PRODUCT NAME	Hook 736	Hook 819	Hook 798	Hook 847	Hook 765		PRESS-LOK® 731	PRESS-LOK® 241
BASE MATERIAL	Hook: Polyamide 6.6	Hook: Polypropylene	Hook: Polypropylene	Hook: Polypropylene	Hook: Polyamide 12		Hook: Polypropylene	Hook: Polyethylene
	Backing: Velour 3200 (polyester)	Without backing	Backing: Nonwoven (polypropylene)	Without backing	Hook: Polyamide 12		Without backing	Without backing
MELTING POINT (HOOK)	250 °C	150 °C	150 °C	150 °C	169 °C		150 °C	120 °C
LOOP FOR DATA REFERENCE	Loop 001	Velour 3905	Velour 3905	Velour 3905	Velour 3610	Velour 3610	PRESS-LOK® 731	PRESS-LOK® 241
CYCLE LIFE	High	Low	Low	Low	Medium	Medium	High	High
PEEL STRENGTH (MINIMUM)	1.5 N/cm	0.15 N/cm	0.4 N/cm	0.4 N/cm	1.5 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>	20.6 N/cm <sup>2</sup>	13.7 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	Black, natural		Natural	Natural
SOME APPLICATIONS	Construction: polishing disc Specialties	Personal care: diapers	Industrial: general use	Medical Personal Care: diapers	Medical: orthopaedics Specialties		Medical: disposable Packaging: stationery, promotional gift	Construction: panels fixation Packaging: 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	Hook-hook lamination without the use of adhesives Two different performance options		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

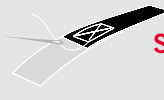


	FULL WIDTH HOOK COVERAGE 		SINGLE HOOK LANE 				MULTIPLE HOOK LANES 
CHARACTERISTICS	 SHAPE 29		 SHAPE 29				 SHAPE 108
DENSITY	272 hooks/cm <sup>2</sup>		272 hooks/cm <sup>2</sup>				152 hooks/cm <sup>2</sup>
SUGGESTED MATING COMPONENTS	Self-engaging		Self-engaging				Nonwoven loops
PRODUCT NAME	ONE-WRAP® 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 3310 (polyester)	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>	7 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

## METHODS OF ATTACHMENT



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



**Sewing**



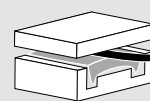
**Mechanical**



**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**

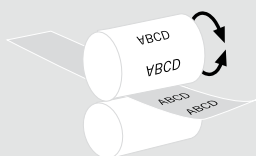


**Die cut**

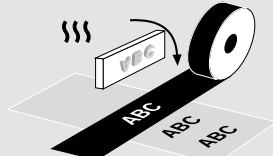


**Perforated**

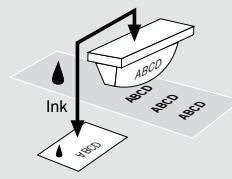
## PRINTING



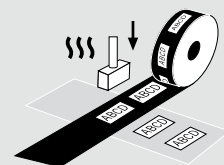
**Flexography**



**Hot stamping**



**Pad printing**



**Heat transfer labels**

## PACKAGING



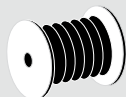
**Rolls**



**Sealed bag**



**Bundling**



**Spools**



**Blister**



**Bulk**



**Shipping boxes**



**Folding boxes**



**Customised packaging**



**Labels**

## APPLICATIONS



**APPAREL**



**CONSTRUCTION**



**MEDICAL**



**MILITARY &  
GOVERNMENT**



**PACKAGING  
& MATERIALS  
HANDLING**



**PERSONAL  
CARE**



**TRANSPORTATION**



**OTHER  
INDUSTRIES**



VELCRO INDUSTRIES ARE WORLDWIDE LEADERS IN FASTENING SYSTEMS OFFERING A WIDE RANGE OF SOLUTIONS, FROM STANDARD HOOK AND LOOP TO COMPLETE FINISHED PRODUCTS.

**50 YEARS OF EXPERIENCE:** WE ARE PROUD OF OUR HERITAGE IN INNOVATION HAVING OVER 300 ACTIVE PATENTS TO OFFER BETTER SOLUTIONS TO SATISFY OUR CUSTOMERS' NEEDS.



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## VELCRO INDUSTRIES AROUND THE WORLD



- Sales offices
- Manufacturing facilities
- Research & Development centres