



Quality Department

09th. July 2007

CERTIFICATE OF CONFORMITY

With this letter, VELCRO EUROPE S.A. certifies that the product

HOOK & LOOP PSI 25 mm

Fulfil the requirements indicated below, established at the French Army norm
[BROCHURE 5508 GPEM / TC]

Construction Characteristics		Specificacion closure 25 mm	
Raw material	Loop yarn	Polyamide 6.6 texturized	
	Hook monofilament	Polyamide 6.6	
Total width (mm)	Hook	25 ± 1	
	Loop	25 ± 1	
Edge's width (mm)	Hook	2.5 ± 0.3	
	Loop	2.5 ± 0.3	
Useful width (mm)	Hook	Minimum	20
	Loop	Minimum	20
Number of hook / cm ²	Total percentage defective	Maximum 7 %	
Mechanical properties		Specificacion closure 25 mm	
Shear initial (daN/cm ²)	Minimum	1.0	
Peel initial (daN/cm)	Minimum	0.135	
	Maximum	0.240	
Tension initial (daN/cm ²)	Minimum	0.53	



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Mechanical properties		Specificacion closure 25 mm	
Shear after 3 washes at 95°C and 5000 cyckes (daN/cm ²)	Minimum		0.65

Peel after 3 washes at 95°C and 5000 cyckes (daN/cm)	Minimum	0.090
	Maximum	0.220

Tension after 3 washes at 95°C and 5000 cyckes (daN/cm ²)	Minimum	0.350

Maximum elongation with a Load of 20 daN (%)	Hook	Maximum	12
	Loop	Maximum	12

Colorfastness properties		Specificacion closure 25 mm	
Colorfastness against organic solvents	Hook	Color change	4 / 5
		Stain polyamide	4 / 5
		Stain wool	4 / 5
	Loop	Color change	4 / 5
		Stain polyamide	4 / 5
		Stain wool	4 / 5

Colorfastness to washing at 95°C	Hook	Color change	4
		Stain cotton	4
	Loop	Color change	4
		Stain cotton	4

Dimensional satability properties		Specificacion closure 25 mm	
To washing at 95 (%)	Hook	Maximum	1.5
	Loop	Maximum	1.5



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Utilization properties		Specificacion closure 25 mm	
Performance to washin Hook & Loop		No deformities – No fraying	
Performance to cycle life test (5000 cycles) (daN/cm)	Shear		Maximum loss of 20 % against initial values
	Peel		Maximum loss of 20 % against initial values
	Tension		Maximum loss of 20 % against initial values
Special characteristics		Specificacion closure 25 mm	
Camber (mm)	Hook	Maximum	30
	Loop	Maximum	30
Deflection (mm)	Hook	Maximum	15
	Loop	Maximum	15
Minimum resistance of the Edges against fraying (daN)	Hook	Maximum	1.5
	Loop	Maximum	1.5

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ANEXO: IDT – 605-B

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