

HIGH STRENGTH FASTENER



VELCRO® Brand High Technology Hook and Loop Closure.
 Medium profile for indoor use.

Adhesive adequate for a wide number of substrates (PVC-vinyl, aluminum, stainless steel, glass, plywood and polyester) but not for polyethylene or polypropylene.

High adhesive temperature resistance -
 Medium tack adhesion.

CLOSURE INFORMATION	
	MATERIAL Polyamide
	CYCLE LIFE Medium
	PEEL 1.37 PIW
	SHEAR 24.5 PSI
	TENSION 4.8 PSI
	ADHESIVE OPERATING TEMPERATURE -30° to 140°F
	ADHESIVE PEEL STRENGTH 8 PIW

REFERENCE	UPC CODE	LENGTH	WIDTH	COLOR	ADHESIVE	QTY PER SHIPPING BOX
31305	075967313050	5 yards	1"	■	0172	6
31306	075967313067	25 Yards	1"	■	0172	6
31307	075967313074	5 yards	2"	■	0172	6
31308	075967313081	25 yards	2"	■	0172	6

ADHESIVE SUBSTRATE COMPATIBILITY	
Anodized Aluminium	✗
Glass	✓
Painted Wallboard	✓
Plywood	✓
Polyester	✓
Polyethylene	✗
Polypropylene	✗
Stainless Steel	✓
Vinyl	✓
Formica (Polished side)	✓
Cardboard	✓
Polyacrylic	✓
Fabrics	✗

Recommended ✓ Good ✓ Not recommended ✗





APPLICATIONS



TYPICAL SYSTEM PERFORMANCE

The following information should be considered typical and is intended to be used as a reference only. This information should not be used for specification purposes. Suitable performance for a specific intended application should be evaluated by the user.

PERFORMANCE CHARACTERISTICS

Fastener	VELCRO® Brand Hook 805/Loop 1000 with 72 Adhesive System
 Closure Peel Strength	Avg. = 1.37 PIW
 Closure Shear Strength	Avg. = 24.5 PSI
 Tensile Disengagement	Avg. = 4.8 PSI
 Cycle Life	Medium

ATTACHMENT TECHNIQUE

Adhesive 72 should be applied with even pressure ensuring good contact is made with the substrate. As with all VELCRO® Brand adhesives, the substrate should be cleaned with alcohol and fully dried prior to application of the adhesive.

CHARACTERISTICS



Flammability Resistance

VELCRO® Brand Hook 805 with Loop 1000 system is not fire retardant and should not be used where flammability resistance is a concern.



Water / Humidity Resistance

Nylon hook and loop fasteners will experience a decrease in performance when exposed to water for extended lengths of time. Performance may be regained once the closure dries. Adhesive 72 is not waterproof and should not be submerged in water. It will, however, withstand incidental exposure to water.



Static Discharge

VELCRO® Brand Hook 805 with Loop 1000 system has not been tested for static discharge after engaging and disengaging the fastener. If static discharge is a concern it should be tested in the end use application.



Outdoor Use

Due to the inclusion of nylon in the construction and its known tendency to deteriorate under UV light, VELCRO® Brand Hook 805 with Loop 1000 system should be thoroughly tested in this type of application. Adhesive 72 can be used in certain types of outdoor applications, but should be thoroughly tested before use.



Solvent Resistance

The nylon material will resist incidental exposure to common solvents but should not be exposed for extended lengths of time. The product should be tested for use in specific applications as it has not been tested for resistance to transportation fluids such as gasoline, motor oils, and transmission fluids.



Shelf Life

Adhesive 72 has a shelf life of 2 years from production date. Keep cool, dry and protect from sunlight.

GENERAL STORAGE CONDITIONS

65°F – 75°F (18°C – 24°C) with relative humidity of 40% – 65%