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

Adhesive designed for a wide number of substrates such as aluminum, stainless steel, glass, plywood and polyester. Adhesive is not suitable for polyethylene, polypropylene or vinyl-PVC.

Medium adhesive temperature resistance - Medium tack adhesion.

### APPLICATIONS

- EDUCATION
- ENERGY & UTILITY
- FINANCE
- GOVERNMENT
- HEALTH CARE
- MANUFACTURING
- OIL & GAS
- OEM

### CLOSURE INFORMATION

| MATERIAL | Polyamide |
| CYCLE LIFE | High |
| AVERAGE PEEL | 4.2 PIW |
| AVERAGE SHEAR | 12 PSI |
| AVERAGE TENSILE STRENGTH | 7.5 PSI |
| ADHESIVE OPERATING TEMPERATURE | -30º to 140ºF |
| ADHESIVE PEEL STRENGTH | 8 PIW |

### 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 ×

### REFERENCE  

<table>
<thead>
<tr>
<th>REFERENCE</th>
<th>UPC CODE</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>COLOR</th>
<th>ADHESIVE</th>
<th>QTY PER SHIPPING BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>31297</td>
<td>075967312978</td>
<td>5 yards</td>
<td>1”</td>
<td>□</td>
<td>0172</td>
<td>6</td>
</tr>
<tr>
<td>31298</td>
<td>075967312985</td>
<td>5 yards</td>
<td>1”</td>
<td>□</td>
<td>0172</td>
<td>6</td>
</tr>
<tr>
<td>31299</td>
<td>075967312992</td>
<td>5 yards</td>
<td>2”</td>
<td>□</td>
<td>0172</td>
<td>6</td>
</tr>
<tr>
<td>31300</td>
<td>075967313005</td>
<td>5 yards</td>
<td>2”</td>
<td>□</td>
<td>0172</td>
<td>6</td>
</tr>
<tr>
<td>31301</td>
<td>075967313012</td>
<td>25 yards</td>
<td>1”</td>
<td>□</td>
<td>0172</td>
<td>6</td>
</tr>
<tr>
<td>31302</td>
<td>075967313029</td>
<td>25 yards</td>
<td>1”</td>
<td>□</td>
<td>0172</td>
<td>6</td>
</tr>
<tr>
<td>31303</td>
<td>075967313036</td>
<td>25 yards</td>
<td>2”</td>
<td>□</td>
<td>0172</td>
<td>6</td>
</tr>
<tr>
<td>31304</td>
<td>075967313043</td>
<td>25 yards</td>
<td>2”</td>
<td>□</td>
<td>0172</td>
<td>6</td>
</tr>
</tbody>
</table>
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. Unless otherwise stated, tests were performed under controlled nominal laboratory conditions of 72°F (23°C) and 50% relative humidity.

### TYPICAL SYSTEM PERFORMANCE

<table>
<thead>
<tr>
<th>Fastener</th>
<th>VELCRO® Brand Hook 88/Loop 1000 with 72 Adhesive System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closure Peel Strength</td>
<td>Avg. = 4.2 PIW</td>
</tr>
<tr>
<td>Closure Shear Strength</td>
<td>Avg. = 12 PSI</td>
</tr>
<tr>
<td>Tensile Disengagement</td>
<td>Avg. = 7.5 PSI</td>
</tr>
<tr>
<td>Cycle Life</td>
<td>High</td>
</tr>
</tbody>
</table>

### PERFORMANCE CHARACTERISTICS

- **Flammability Resistance**: VELCRO® Brand Hook 88/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 88/Loop 1000 system has not been tested for static discharge after opening and closing the fastener. If static discharge is a concern, it should be tested in the end use application.

### 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

- **Outdoor Use**: Due to the inclusion of nylon in the construction and its known tendency to deteriorate under UV light, VELCRO® Brand Hook 88/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 in use for a specific application and 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%
VELCRO® Brand High Technology Hook and Loop Closure. Medium Profile for indoor use.

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

Medium adhesive temperature resistance - Extreme tack adhesion.

**APPLICATIONS**

- EDUCATION
- ENERGY & UTILITY
- FINANCE
- GOVERNMENT
- HEALTH CARE
- MANUFACTURING
- OIL & GAS
- OEM

**REFERENCE | UPC CODE | LENGTH | WIDTH | COLOR | ADHESIVE | QTY PER SHIP BOX**

| 31310 | 075967313104 | 5 yards | 1” | | 0115 | 6 |
| 31311 | 075967313111 | 5 yards | 1” | | 0115 | 6 |
| 31312 | 075967313128 | 5 yards | 2” | | 0115 | 6 |
| 31313 | 075967313135 | 5 yards | 2” | | 0115 | 6 |
| 31314 | 075967313142 | 25 yards | 1” | | 0115 | 6 |
| 31315 | 075967313159 | 25 yards | 1” | | 0115 | 6 |
| 31316 | 075967313166 | 25 yards | 2” | | 0115 | 6 |
| 31317 | 075967313173 | 25 yards | 2” | | 0115 | 6 |

**ADHESIVE SUBSTRATE COMPATIBILITY**

- Anodized Aluminium
- Glass
- Painted Wallboard
- Plywood
- Polyester
- Polyethylene
- Polypropylene
- Stainless Steel
- Vinyl
- Formica (Polished side)
- Cardboard
- Polycrylic
- Fabrics

**ADHESIVE INFORMATION**

- MATERIAL: Polypropylene (Hook), Polyamide (Loop)
- CYCLE LIFE: Medium
- PEEL: 1.05 PIW
- SHEAR: 63.2 PSI
- TENSION: 12.3 PSI
- ADHESIVE OPERATING TEMPERATURE: -30º to 110º F
- ADHESIVE PEEL STRENGTH: 8 PIW

VELCRO® and other marks are owned by Velcro BVBA © 2019
**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.

<table>
<thead>
<tr>
<th>Fastener</th>
<th>VELCRO® Brand Hook 830/Knit 3610 with 15 Adhesive System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closure Peel Strength</td>
<td>Avg. = 1.05 PIW</td>
</tr>
<tr>
<td>Closure Shear Strength</td>
<td>Avg. = 63.2 PSI</td>
</tr>
<tr>
<td>Tensile Disengagement</td>
<td>Avg. = 12.3 PSI</td>
</tr>
<tr>
<td>Cycle Life</td>
<td>Medium</td>
</tr>
</tbody>
</table>

**PERFORMANCE CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closure Peel Strength</td>
<td>Avg. = 1.05 PIW</td>
</tr>
<tr>
<td>Closure Shear Strength</td>
<td>Avg. = 63.2 PSI</td>
</tr>
<tr>
<td>Tensile Disengagement</td>
<td>Avg. = 12.3 PSI</td>
</tr>
<tr>
<td>Cycle Life</td>
<td>Medium</td>
</tr>
</tbody>
</table>

**ATTACHMENT TECHNIQUE**

Adhesive 15 is a general-purpose rubber-based hot melt adhesive. It should be applied with even pressure assuring 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 adhesive.

**CHARACTERISTICS**

**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.

**Electrostatic Discharge**

VELCRO® Brand Hook 830/Knit 3610 with 15 Adhesive System has not been tested for static discharge after opening and closing the fastener. If static discharge is a concern, it should be tested for in the end use application.

**Outdoor Use**

VELCRO® Brand Hook 830/Knit 3610 with 15 Adhesive System has not been tested for resistance to UV light. The product should be tested in use for a specific application.

**Solvent Resistance**

The product should be tested in use for a specific application and has not been tested for resistance to transportation fluids such as gasoline, motor oils, and transmission fluids.

**Sterilization**

This product has not been tested for autoclaving, gas, or steam sterilization.

**GENERAL STORAGE CONDITIONS**

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

**APPLICATIONS**

- Education
- Energy & Utility
- Finance
- Government
- Health Care
- Manufacturing
- Oil & Gas
- OEM

**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: Not recommended
- Glass: Recommended
- Painted Wallboard: Recommended
- Plywood: Recommended
- Polyester: Recommended
- Polyethylene: Not recommended
- Polypropylene: Not recommended
- Stainless Steel: Recommended
- Vinyl: Recommended
- Formica (Polished side): Recommended
- Cardboard: Recommended
- Polycrylic: Recommended
- Fabrics: Not recommended

**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
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

<table>
<thead>
<tr>
<th>Fastener</th>
<th>VELCRO® Brand Hook 805/Loop 1000 with 72 Adhesive System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closure Peel Strength</td>
<td>Avg. = 1.37 PIW</td>
</tr>
<tr>
<td>Closure Shear Strength</td>
<td>Avg. = 24.5 PSI</td>
</tr>
<tr>
<td>Tensile Disengagement</td>
<td>Avg. = 4.8 PSI</td>
</tr>
<tr>
<td>Cycle Life</td>
<td>Medium</td>
</tr>
</tbody>
</table>

### 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.

### GENERAL STORAGE CONDITIONS

- 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.

**Document Name**: HTH 805/Loop 1000  
**Document #: TDS_High Strength Fastener**  
**Revision #: 02**  
**Effective Date**: February 25th, 2019