Hook and Loop Tape

Description

- Hook tape: woven Nylon tape with Ø 0.2 mm monofilament hooks. 50 hooks/cm²
- Loop tape: woven Nylon tape with texturized loops.
- Widths: 16 mm, 20 mm, 25 mm, 30 mm, 38 mm, 50 mm and 100 mm
- Colours: 13 standard colours. Others upon request.

Applications

- Recommended for high cycle life applications.

Method of attachment

- Sewing
- Self-adhesive
- Stapling
- Welding
- Gluing.

Packaging

<table>
<thead>
<tr>
<th>Widths</th>
<th>16mm</th>
<th>20mm</th>
<th>25mm</th>
<th>30 mm</th>
<th>38 mm</th>
<th>50mm</th>
<th>100mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>2x25 meter rolls</td>
<td>200 m</td>
<td>300 m</td>
<td>250 m</td>
<td>200 m</td>
<td>150 m</td>
<td>200 m</td>
<td>100 m</td>
</tr>
</tbody>
</table>

Performances

<table>
<thead>
<tr>
<th>Resistance</th>
<th>Shear Strength (cN/cm²)</th>
<th>Tension Strength (cN/cm²)</th>
<th>Peel Strength (cN/cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cycle life</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New state</td>
<td>1060</td>
<td>600</td>
<td>150</td>
</tr>
<tr>
<td>5000 operations</td>
<td>650</td>
<td>450</td>
<td>130</td>
</tr>
<tr>
<td>10 000 operations</td>
<td>590</td>
<td>430</td>
<td>90</td>
</tr>
</tbody>
</table>

The above values are average values obtained according to the French norm NF G 91-103.

ENGLISH
Technical characteristics

### PHYSICAL CHARACTERISTICS
- Weight of closure: 0.072 g/cm²
- Height: Loop: 2.8 mm (± 0.2)
- Hook: 1.95 mm (± 0.2)
- Closure thickness: 3.2 mm
- Width tolerance: ± 1 mm
- (except for 100 mm: 105 ± 2 mm)
- Selvedge width: 2.5 mm
- (except 16 mm, 20 mm and 50 mm: 2.0 mm)
- Tape’s breaking strength: 20 daN/cm
- Breaking stretch: 50% maxi.
- Welding’s breaking strength: 10 daN/cm

### EFFECTS OF TEMPERATURE
- Cold increases closure strength
  - +30% at –18°C (0°F)
  - +100% at –50°C (-60°F)
- Resists heat up to 140°C (280°F)
- Melting point: 260°C (500°F)
- Exposure of tape to sunlight for extended period of time not recommended, use aplix 810 (polyester).

### REACTION TO LIQUIDS
- Maximum shrinkage in boiling water: < 2%
- Maximum humidity absorption: 6.25%
- With liquids (especially with sea water), preferably use aplix 810 (polyester).
- Washable at 95°C (203°F)

### RESISTANCE TO CHEMICALS
- Resists strong alkalis, trichlorethylene, acetone, acids, hydrocarbons and alcohols.

### COLOURFASTNESS
- French certifications:
  - NF G07.093-6/ISO 105-C06: washing at 95°C
  - NF G07.019-5/ISO 105-X05: dry cleaning
  - 4S 191 A: class excellent
- American certification FTMS 191 A: class excellent

### GENERAL PROPERTIES
- Washing, dry cleaning, autoclave, ironing when mated.

## Coatings and specific treatments

### DESIGNATION

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(-A-)</td>
<td>Pressure sensitive adhesive</td>
</tr>
<tr>
<td>(-D-)</td>
<td>Fire retardant adhesive</td>
</tr>
<tr>
<td>(-L-)</td>
<td>High temperature adhesive</td>
</tr>
<tr>
<td>(-I-)</td>
<td>Fire retardant</td>
</tr>
<tr>
<td>(-K-)</td>
<td>Solvent activated and high frequency</td>
</tr>
</tbody>
</table>

## Certifications

### Military
- OTAN : F 2522
- USA ASL-CT-125

### Shoe and industry laboratories
- NF G91-101 à G91-107
- France : NF G62-021
- Germany : PFI n° 820183
- Netherlands : TNO N° 84/245

### Fire Certifications (aplix® 800 IG)
- FAR 25-853 b
- NF G07-184 classe B
- NF G07-184 classe I 3
- ABD 0031
- FMVSS-302

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