

Velcro fasteners

► Aramid Loop-side / Stainless Steel Hook Tape

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Fasteners made of hook adhesion elements and loop surfaces are offering a **very high life expectancy**, with excellent performance features. Depending on the selected material, the fastener can be used in various and complex areas (resistance against ultraviolet rays, high temperatures, flame retardancy etc.).

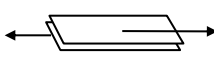

Description:

Base fabric: 100% Aramid (at loop and hook side)
 Hooks: Stainless steel hooks – non-corrosive – Material 1.4310
 Fleece: 100% Aramid loops
 Width: 25 mm and 50 mm are possible
 Colour: Raw white

Applications

- Recommended for applications requiring a self-extinguishing product. Resistant to very high temperatures (up to 235°C).

Physical Performance Data

	Shear Strength acc. to DIN EN 13780 	Peel Strength acc. to DIN EN 12242 
New Condition / 0 Cycles	17,5 N / cm ²	3,0 N / cm ²
after 50 Cycles	15 N / cm ²	1,7 N / cm ²

The indicated results are average values, meeting the standard for 25 mm wide tapes.

Methods of Attachment

Sewing
 Stapling
 Glueing (Technical features to be observed)

Technical Characteristics

Effects of Temperature	Resistance to temperature: 235°C Start of decomposition: above 300°C Resistance to cold: -40°C Colour change of the coating might be possible under the influence of heat Flame retardant (B1) acc. to DIN 4102.
Physical Characteristics	Thickness of total fastener = 3,2 mm Thickness at hook side H = approx. 2 mm Number of hooks: min. 50/cm ² Hook weight: 400 g/m ² +/- 10% Thickness of loop side F = approx. 2,5 mm Number of loops: 80/cm ² Fleece weight: 480 g/m ² +/- 10% Width tolerances: 25 mm und 50 mm +/- 1 mm
Resistance to Chemical Products	Resistant to alkaline liquids, non-oxidizing acids (except hydrochloric acid), organic solvents, alcohol Not resistant to / sensitive to oxidative acids (for example nitric acid)

Packing Units

Coils of 25 m
on cardboard cores, with a core diameter of 36 mm, core width off 30 mm / 55 mm, outer diameter of 300 mm

► Hook and Loop Fastener Type PE black

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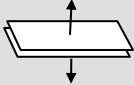
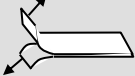
Fasteners made of hook adhesion elements and loop surfaces are offering a **very high life expectancy**, with excellent performance features. Depending on the selected material, the fastener can be used in various and complex areas (resistance against ultraviolet rays, high temperatures).

Description

Fastener consisting of two fabric tapes:

- Hook made of single filament
- Non-brushed fleece (at loop side)
- Material: 100 % Polyester
- Width: 25 mm
- Colour: black (hooks and fleece)

Physical Performance Data

Strength	Shear Strength (N/cm ²) 	Traction Strength (N/cm ²) 	Peel Strength (N/cm) 
Lifespan			
New Condition	14	6	1,3
After 10 000 Cycles	9	5	1

The indicated results are average values, meeting the standards for 25 mm wide tapes..

Methods of Attachment

- Sewing
- Glueing

Technical Characteristics

Effects of Temperature	Resistance to temperature: 140°C Melting point (hook): 255°C Improved performance in cold conditions
Physical Characteristics	Thickness of fastener: 3 mm Thickness at hook side: 2 mm Thickness at loop side: 2,7 mm Weight of fastener: 0,064 g/cm ² Edge width: 2 mm Tear resistance: > 200 N/cm ²
Resistance to chemicals	Resistance against acids and weak alkalis, trichloroethylene and hydrocarbons. Sensitive to acids, strong alkalis and alcohol.
Auswirkung von Flüssigkeiten	Maximum shrinkage in boiling water: < 2 %. Resistant to salt water.
Pflege	Laundry at 60°C. Dry cleaning. Drying and Ironing in closed condition only.

Packing Units

Coils of 25 m, on cardboard cores.

Statements, information and data included in this information are provided to the best of our knowledge. Wherever possible, they have been determined empirically and have to be considered as a non-binding consultation. In cases of doubt, we recommend to arrange a test which is adapted to the local conditions. Apart from that, our teams of the departments sales and development are always happy to help you.

10/2023