

DIRECTA

ESSENTIALS FOR INDUSTRY

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DIRECTA (UK) LTD

TECHNICAL DATA SHEET:

PRODUCT: Our ref. 894 Velcro® Brand Flame Retardent Products

GENERAL INFORMATION: This product is available in standard and self adhesive qualities. It is suitable for aircraft and vehicle interiors and has a flame retardant binder coating enabling the product to meet FAR 25853b.

CONSTRUCTION:

Base material:	Polyamide (nylon)
Construction:	Woven
Standard binder backing:	Polyurethane Flame Retardent
Hook Width < 50mm:	+ 1mm
Loop Width < 50mm:	+ 1mm
Hook Width 50mm-100mm:	+ 1.5mm
Loop Width 50mm-100mm:	+ 2mm
Hook Width > 100mm:	+ 2mm
Loop Width > 100mm:	+ 2mm
Hook/cm ² :	65 + 5cm ²
Hook Overall thickness:	1.70 - 2.05mm
Loop Overall thickness:	2.10 - 2.60mm
Weight/m ² :	300g/m ² +10%

PERFORMANCE:

Mechanical properties with standard loop 1000 or flame retardent loop 010

Peel strength*:	Avg. = 2.0 N/cm	Min = 1.3 N/cm
Shear Strength*:	Avg. = 11.3 N/cm ²	Min = 7.3 N/cm ²
Cycle Life*:	50% loss after 5,000 cycles	

Tensile Strength Hook

Shrinkage after washing: Min = 320 N/cm Maximum 4%
(DIN 53920 4.3)

Melting point: 0 deg. C

Electrical Conductivity None

PERFORMANCE:

Mechanical properties with Standard Hook 88 or Flame Retardent Hook 58

Peel Strength*:	Avg. = 2.0 N/cm	Min = 1.3 N/cm
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Shear Strength*: Avg. = 10.3 N/cm² Min = 7.3 N/cm²
Cycle Life*: 50% loss after 5,000 cycles
Loop Tensile Strength*
Shrinkage after washing: Min = 210 N/cm Maximum 4%
(DIN 53920 4.5)
Melting Point: 250 deg. C
Electrical Conductivity: None

RESISTANCE PROPERTIES:

UV Resistance Hook: Poor
Acid Resistance Hook: Poor
Alkali Resistance Hook: Good
Colourfastness to washing: (ISO 105 sec/C03) 4 minimum
Colourfastness to dry cleaning: (ISO 105 sec/D01) 4 minimum
Colourfastness to rubbing: (ISO 105 sec/X12) 4 minimum
Colourfastness to perspiration: (ISO 105 sec/E04) 4 minimum
Colourfastness to light: (ISO 105 sec/B04) 5 minimum
Colourfastness to water: (ISO 105 sec/E01) 4 minimum
Colourfastness to seawater: (ISO 105 sec/E02) 4 minimum

AUTO-EXTINCTION TEST (FAT 25853 b):

Burn length: < 200mm
Burn time: < 15 seconds
Drippings Burn Time: < 5 seconds

*Internal Norm of VESA

The information in this Technical Sheet is based on reliable tests and trials. Given the diversity of the use of our products we advise our customers to ensure themselves that the product meets the requirements of their application. The responsibility for the application and use of the product remains with the customers.