

Technical Data Sheet

Hook & Loop

Product Description

Coats Connect FAH1402/FAL1402 is a standard hook and loop fastener with flame resistant coating.

Product Composition

	Hook	Loop
construction	woven with cold-cut sewing edges	woven with cold-cut sewing edges
composition	100% polyamide	100% polyamide
coating	polyurethane coating	polyurethane coating
treatment	flame resistant coating	flame resistant coating
dyestuffs	no harmful AZO dyestuffs	no harmful AZO dyestuffs

Technical Information

Standard Parameters

standard width with sewing edges*	mm	25	50
	inches	1"	2"
width tolerance	mm	±1.0	±1.5
shade range*		black & white*	
thickness after closing	mm	4.2 (±0.5)	
average weight	g/m ²	Hook: 325g/m ² (±10%), Loop: 320g/m ² (±10%)	
*other widths and shades available upon request			

Flame Resistant Characteristics

coating	transparent flame resistant coating
applications	-good flame resistant properties -suitable for a variety of industrial applications where flame protection is required
certification	heat and flame resistant according to: -EN ISO 15025 – protective clothing -FAR 25.853 b – measurement of flammability in aircraft material -ISO 3795: road vehicles, and tractors and machinery for agriculture and forestry - determination of burning behaviour of interior materials -FMVSS 302 - federal motor vehicle safety standard
safety	Coats Connect flame resistant hook & loop contain no bromine flammability stabilizers

Colour Fastness

ISO 105-B02	light*	>5 on a scale of 8
ISO 105-E01	water & seawater**	4 on a scale of 5
ISO 105-C10 C	washing 60°C	4 on a scale of 5
ISO 105-E04	sweat (excl. navy)	4 on a scale of 5
ISO 105-X12	rubbing wet & dry	4 on a scale of 5
ISO 105-X11	ironing	4 on a scale of 5
ISO 105-D01	dry-cleaning	4 on a scale of 5

Care Instructions

cleaning in closing position to protect fastener and laundry



Strength Parameters*

	Test Method	Hook & Loop	
no. of cycles	EN 1414	after 1 opening & closing	after 10,000 openings & closings
peel strength	EN 12242 (N/cm width)	3.0 (2.0)	min. 1.0
shear strength	EN 13780 (N/cm ²)	13.0 (10.0)	min. 4.0

Strength Parameters*

	Test Method	Hook	Loop
tensile strength	N/cm - lengthwise ISO 13934-1	384 (200)	301 (200)
stretch before breaking	%- lengthwise ISO 13934-1	40% (30%)	40% (30%)

avg. values (tested at 20°C & 65% humidity)
*individual test results can vary, min. values between brackets

Durability

Test	Method	Openings & Closings	Mushroom and Velour
durability test	EN 1414	after 100 times	slight visual change

Certification

Oeko-tex standard 100 class II

Article Number / Make Up

Art. No.: FAH1402 – Hook - rolls of 25 m / various widths & shades available

Art. No.: FAL1402 – Loop - rolls of 25 m / various widths & shades available

General Safety Information

Since conditions and applications vary considerably in the use of hook & loop, user should assure herself or himself by preliminarily testing that the hook & loop is suitable for the end use intended.

Further Assistance

Please contact your local Coats representative for further assistance.