



Hook and Loop Closure – Nylon / Nomex®



Nylon hook and loop closure with Urethane/Acrylic backcoat with Flame Retardant additive. 225°F / 107°C Continuous; 300°F / 148°C for up to 1 hour; 459°F / 237°C melting point. Color is black. Nomex® is rated -70°F to 350°F (-56°C to 176°C)

Nylon meets the following specifications:

- MIL-F-21840 / A-A-55126 Type II Class I
- NFPA 1971-1991
- Automotive FMVSS 302
- FAA 25.853a (Aviation)
- Toxicity ATS1000 (Nylon only)

FlameShield™ Nylon Hook & Loop Flame Retardant Fastener					
Part Number	Material	Width	Reel length	Price per Reel	Price per Yard
FAB-VHL-NY-LOOP-10-B	Nylon	5/8"	50 yards	£ 47.97	£ 4.79
FAB-VHL-NY-HOOK-10-B	Nylon	5/8"	50 yards	£ 47.97	£ 4.79
FAB-VHL-NY-LOOP-12-B	Nylon	3/4"	50 yards	£ 56.88	£ 5.68
FAB-VHL-NY-HOOK-12-B	Nylon	3/4"	50 yards	£ 56.88	£ 5.68
FAB-VHL-NY-LOOP-16-B	Nylon	1"	50 yards	£ 66.33	£ 6.63
FAB-VHL-NY-HOOK-16-B	Nylon	1"	50 yards	£ 66.33	£ 6.63
FAB-VHL-NY-LOOP-32-B	Nylon	2"	50 yards	£ 126.61	£ 12.66
FAB-VHL-NY-HOOK-32-B	Nylon	2"	50 yards	£ 126.61	£ 12.66
FlameShield™ Nomex® Hook & Loop Fastener - White Color Transportation Use - Aviation / Rail / Ground / Marine Meets FAR 25.853 / Boeing DMS1982 Rev G / AA-55126B -70°F to 350°F (-56°C to 176°C)					
FAB-VHL-NM-HOOK-16	Nomex®	1	50 yards	£ 337.50	£ 13.50
FAB-VHL-NM-LOOP-16	Nomex®	1	50 yards	£ 466.20	£ 18.65
FAB-VHL-NM-HOOK-32	Nomex®	2	50 yards	£ 652.50	£ 26.10
FAB-VHL-NM-LOOP-32	Nomex®	2	50 yards	£ 765.00	£ 30.60

FlameShield™ Nylon Hook & Loop Specification

Strength

Sample Condition

Dry (ASTM 5169 & 5170) Peel: 1.0 lb/in width Shear: 13.8 lb/in²

3 laundering (AATCC-61/3A)
plus 3 Dry Clean (AATCC-
132) then 2,000 cycles

Peel: 0.67 lb/in width Shear: 8.3 lb/in²

Dimensions

Hook size: 8mil (.008") / 0.22 mm
Available Widths: 5/8", 3/4", 1", 1 1/2", 2", 4"
Hook Thickness: 0.077in (1.95mm)
Loop Thickness: 0.098 in (2.5mm)

Materials

Hook: Nylon, Woven
Backcoat: Urethane/Acrylic with F/R additive (type 2)
Hooks/in2: 220

Loop: Nylon, Woven
Backcoat: Urethane/Acrylic with F/R additive (type 2)

Properties

Sterilization: Gamma (Mrad): Yes
Autoclave: Yes

Chemical Resistance: **Acid** – Resistant to weak acids. Dissolved in mineral acids. Avoid concentrated acids
Alkali – Resistant to strong alkalis – recommend pH < 12.5 Temperature < 160°F
Oxidizers – Moderate resistance. Degraded by strong oxidizers. Keep temperature < 100°F
Solvents – Resistant to most common solvents. Less resistant to chlorinated solvents.

Fray Resistance: MIL F 21840: < 1/32 after 5 launderings

Operating Temperature: 225°F Continuous, 300°F < 1 hour, 459°F Melting Point

Shrinkage at boil: ASTM D2259; 1.5 – 2% at boil.

Certifications

MIL F 21840 / CID A-A-55126 Type II Class I

NFPA 1971 – 1991 Approved: NFPA 1975, 1977, 1976, 1971

Flammability: Automotive / FMVSS 302
FAA / 25.853B

Toxicity: ATS1000

Hook and Loop Closure – Stainless Steel

Heat, Flame and Chemical Resistant



Stainless Steel hook & Loop –
heat and chemical resistance

-70°F to 800°F (-56°C to 426°C)

- MIL-F-21840 / A-A-55126
Type II Class I
- NFPA 1971-1991
- Automotive FMVSS 302
- FAA 25.853a (Aviation)

FlameShield™ Stainless Steel Yarn Hook & Loop Fastener Flame / Fire / Chemical Resistant					
Part Number	Material	Width	Reel length	Price per Reel	Price per Yard
FAB-VHL-SS-HOOK-16	Stainless Steel	1	25 yards	£ 1247.00	£ 96.87
FAB-VHL-SS-LOOP-16	Stainless Steel	1	25 yards	£ 1247.00	£ 96.87