

Technical Data Sheet Unnapped Woven Loop - Nylon

Product Description:

Halco’s unnapped loop is an unbrushed loop material for high cycle life applications. Designed to ‘never wear out’, unnapped loop is a favorite with apparel designers, medical device manufacturers, and sporting goods fabricators. This fastener exhibits an easy-peel but has a high cycle life with an excess of 10,000+ peels without any blowout or loop damage when paired with Halco’s soft nylon woven hook.

Widths Available: 5/8” (15.875mm) - 6” (152.44mm) Custom Widths: Yes
Die Cut Lengths & Shapes: Yes
Supplied in Black or White - Material can be dyed to match any Pantone Color
Available on 50 yard rolls.

TECHNICAL DATA - WIDTH: 1” (25.4mm)

USBL100-50

Product	Loop (USBL100-50)
Construction	Woven
Material	Nylon
Loop Height	0.08" (2mm)
Melting Point	392°F (200°C)
Material Weight (ASTM D3776)	0.00176 lb/in ²
Stitch Tear Strength (ASTM D2261)	2.4 lb/inch
Breaking Strength (ASTM D5035)	151.4 lb/inch
Specifications	Prop 65, REACH, RoHS, Latex Free
Color Fastness (AATCC M61 1A)	3

PERFORMANCE DATA

Unnapped Loop (USBL100-50) when tested with:

Paired Product	Woven Hook	Soft Woven Hook	Type3 Molded Hook
Peel Strength	1.47 lb/inch	0.61 lb/inch	0.72 lb/inch
Sheer Strength	17.26 lb/inch ²	8.60 lb/inch ²	21.55 lb/inch ²
Durability - closure strength reduction -	3,000 cycles - 55%	3,000 cycles - 55%	-
	5,000 cycles - 60%	5,000 cycles - 60%	-
	7,000 cycles - 70%	7,000 cycles - 70%	-
	10,000 cycles - 75%	10,000 cycles - 75%	-

Recommended Storage Conditions:

50°F - 85°F (10°C - 29°C) with relative humidity of 40% - 60%

Storage

Halco USA products should be stored at Room temperature conditions and 50% relative Humidity. Storage in extreme temperatures/direct sunlight may affect product performance.

Technical Information

Halco USA provides Technical Data on all products. Test Data and recommendations are based on Certified Laboratory testing and general industry guidelines believed by Halco USA to be accurate. However, such information is not guaranteed.

When used under normal circumstances no Halco product presents a Health & Safety hazard. Regulation information such as REACH, RoHS, California Prop 65, FDA Etc. is supplied on a product by product basis

Product Use

Many Factors affect product performance beyond Halco USA's control. The user is solely responsible for evaluating Halco USA products and confirming prior to use that:

- The product is suitable for the purpose for which the buyer requires it.
- The product is fit for the users method of application.
- The Lifespan of the product and performance over time is suitable.
- The product meets any specifications required by the user.

Warranty & Liability

Halco USA only warrants that products meet the applicable Halco USA product specifications at the time of shipment. Halco USA provides no other warranties whatsoever.

Should any product subsequently prove to be unsuitable Halco USA shall not be held liable for any indirect, incidental, consequential damage or loss incurred.

Should any product not meet Halco specifications then Halco USA's only remedy is replacement Halco USA product or purchase price refund.

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