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3M™ Hook Fastener SJ3532N

Product Description

3M™ Hook and Loop Fasteners offer advanced closure alternatives to zippers, screws, snaps, hooks and more. They offer greater design flexibility, faster product assembly, smoother and cleaner exterior surfaces and improved product performance in many applications. 3M hook and loop fasteners consist of hooks and loops which engage to form a quick fastening attachment. Simply pull the strips apart by hand to disengage.



Product Features

The woven nylon hook has flexible, self-supporting inverted j-hooks protruding up from the backing with approximately 300 hooks per square inch (46 hooks/square cm). The woven nylon loop has thousands of soft, pliable napped loops protruding above the backing, providing for thousands of openings and closings (cycles). Both the hook and loop are preshrunk to insure maximum dimensional stability and flatness. Standard colors available are black, white and beige, with several custom colors available with extended delivery times and additional costs.

The backing of 3M™ Hook Fastener SJ3532N is coated with a medium tack rubber-based pressure sensitive adhesive. This tacky adhesive bonds quickly to your substrate when pressure is applied. It features quick stick, short dwell time and good shear strength. This adhesive is designed to function with indoor applications and is suited for application to many substrates, including plastics.

Commonly paired with 3M™ Loop Fastener SJ3533N, this hook fastener can also engage with other 3M™ Loop Fasteners.

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Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Thickness		Test Condition
2.03 mm	80 mil	Unmated without liner
3.3 mm	130 mil	Mated without liner

Property: Thickness

notes: Using 1/2" pressure foot with 34 gram weight

Property	Values	
Material	Hook- Woven Nylon	
Backing	Rubber based PSA	
Liner	White Polypropylene	
Liner Thickness	0.08 mm	3.0 mil
Weight	0.057 g/cm ²	0.013 oz/in ²

Typical Performance Characteristics

Property	Values		Substrate	Notes
Dynamic Tensile	7.6 N/cm ²	11 lb/in ²	Nylon Hook to Nylon Loop	Run at 12 inches per minute
Dynamic Shear	15.2 N/cm ²	22 lb/in ²	Nylon Hook to Nylon Loop	Run at 12 inches per minute
Cleavage Strength	13.1 g/cm width	7.5 lb/in width	Nylon Hook to Nylon Loop	
T-Peel Adhesion	3.5 g/cm width	2.0 lb/in width	Nylon Hook to Nylon Loop	Run at 12 inches per minute
90° Peel Adhesion	3.9 g/cm width	2.2 lb/in width	Nylon Hook to Nylon Loop	Run at 12 inches per minute
Cycle Life	5000		Nylon Hook to Nylon Loop	Number of closures before losing 50% of original strength

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Typical Performance Characteristics (continued)

Product Performance:

Material Dynes mJ/m ²	Polypropylene 29 Low Surface Energy Plastics	Polyethylene 31	EVA 33	Acrylic 38 Medium Surface Energy Plastics	PC 42	ABS 42	Aluminum 840 High Surface Energy Materials	Stainless Steel 700-1100	Typical Temperature Resistance °F
SJ3401 SJ3402	Sew on			Sew on			Sew on		200
SJ3530 SJ3531	X	X	X	X	X	X	X	X	90
SJ3532N SJ3533N	X	X	X	X	X	X	X	X	110
SJ3526N SJ3527N	X	X	X	X	X	X	X	X	120
SJ3522 SJ3523				X	X	X	X	X	150
SJ3571 SJ3572				X	X	X	X	X	200
X - Typically good adhesion without the use of surface primer									

Additional Information

notes: This guide should assist you in determining which product will adhere best to your substrate for.