

4. Combine, test, and evaluate

3M™ Dual Lock™ Reclosable Fasteners

Product	Stem Density	Color	Liner	Engaged Thickness Inches (mm)	Temperature Resistance (F/C)	Features/Application Ideas
Rubber Adhesive						
SJ3540	250	Black	A	0.23 (5.7)	120/49	Low temperature performance. Bonds well to plastics (acrylic, poly carbonate, ABS), powder coated paints and low surface energy materials (polypropylene, polyethylene). Indoor and limited outdoor use.
SJ3541	400	Black	A	0.23 (5.7)	120/49	
SJ3542	170	Black	A	0.23 (5.7)	120/49	
General Purpose Acrylic Adhesive						
SJ3550	250	Black	D	0.23 (5.7)	200/93	High temperature performance. Bonds well to metals (aluminum, stainless steel), glass, plastics (acrylic, polycarbonate, ABS) and paints. Indoor and outdoor use. * Note: This is a clear fastener with white adhesive giving the product a white appearance.
SJ3551	400	Black	D	0.23 (5.7)	200/93	
SJ3552	170	Black	D	0.23 (5.7)	200/93	
SJ3557	170	White*	D	0.23 (5.7)	200/93	
SJ3558	250	White*	D	0.23 (5.7)	200/93	
SJ3559	400	White*	D	0.23 (5.7)	200/93	
Clear Acrylic Adhesive						
SJ3560	250	Clear	D	0.23 (5.7)	220/104	Highest temperature performance. Bonds well to metals (aluminum, stainless steel), glass and plastics (acrylic, polycarbonate, ABS). Indoor and outdoor use.
SJ3561	400	Clear	D	0.23 (5.7)	220/104	
SJ3562	170	Clear	D	0.23 (5.7)	220/104	
SJ3550CF	250	Black	D	0.23 (5.7)	220/104	
SJ3551CF	400	Black	D	0.23 (5.7)	220/104	
SJ3552CF	170	Black	D	0.23 (5.7)	220/104	
Modified Acrylic Adhesive						
SJ3244	170	Black	E	0.24 (6.1)	120/49	Low temperature performance. Bonds well to low surface energy materials. Indoor and outdoor use.
SJ3245	250	Black	E	0.24 (6.1)	120/49	
SJ3246	400	Black	E	0.24 (6.1)	120/49	
SJ3870	250	Black	C	0.24 (6.1)	180/82	Medium temperature performance. Bonds well to plastics (acrylic, polycarbonate, ABS), powder coated paints and medium to low surface energy materials. Indoor and outdoor use. Available in 45 yard rolls only.
SJ3871	400	Black	C	0.24 (6.1)	180/82	
SJ3872	170	Black	C	0.24 (6.1)	180/82	
Low Surface Energy Acrylic Adhesive						
SJ3773	170	Black	F	0.16(4.1)	120/49	Low to medium temperature performance. Bonds well to metals (aluminum, stainless steel), glass, many plastics (polypropylene, polyethylene, polycarbonate, ABS) powder coated paints and medium to low surface energy materials. Thinner adhesive than standard. Indoor and outdoor use.
SJ3782	250	Black	F	0.16(4.1)	120/49	
Specialty Products: No Adhesive, Non-Woven, and Rigid Back/Piece Parts						
SJ3443	400	Black	N/A	0.28 (7.1)	200/93	Backed with a unique felt-like non-woven polypropylene fabric, this product is for use with a variety of hot melt or liquid adhesives. Can be bonded to wood, foam, fabric or similar materials. Good temperature performance.
SJ3444	170	Black	N/A	0.28 (7.1)	200/93	
SJ3445	250	Black	N/A	0.28 (7.1)	200/93	
SJ3463	400	Black	None	0.20 (5.1)*	200/93	Thicker than standard. Designed for mechanical attachment, such as riveting, or sliding into retention brackets. Round 13/16 inches diameter with 0.16 inch hole.
SJ3481	400	Black	None	0.20 (5.1)*	200/93	Thicker than standard. Designed for mechanical attachment, such as riveting, or sliding into retention brackets. Available in 48 inch strips.

Note: The technical information and data should be considered representative only and should not be used for specification purposes.

* Single thickness; not engaged.



Fasten flexible solar panels to roofing membrane with strength to resist wind.



Secure plastic sign to window glass.



Hold plastic air vent to base of refrigerator with strength to resist vibration

3M™ Dual Lock™ Reclosable Fasteners – Low Profile/Thin

Product	Stem Density	Color	Liner	Engaged Thickness Inches (mm)	Temperature Resistance (F/C)	Features/Application Ideas
Acrylic Adhesive						
SJ4570 SJ4575	Low Profile/ Thin	Clear Black	F	0.098 (2.489)	158/70	Low to medium temperature performance. Bonds well to metals, glass, many plastics (polypropylene, polyethylene, polycarbonate, ABS) powder coated paints and medium to low surface energy materials. Half standard thickness. Indoor and limited outdoor use.
SJ4580	Low Profile/ Thin	Clear	C	0.12 (3.0)	200/93	High temperature performance. Bonds well to CARC and enamel paint, bare metal, glass, wood (painted or sealed) and many plastics (acrylic, polystyrene, polycarbonate, ABS). Half standard thickness. Indoor and outdoor use.

Liners:

- A - White 5.0 mil (0.13 mm) thick polyolefin with silicone release coating
- B - Brown 83# polykraft liner printed with "3M™" in green. Good for diecutting directly against liner.
- C - Red 4.5 mil (0.11 mm) thick polyolefin with no silicone release coating
- D - Clear 4.0 mil (0.10 mm) thick polyolefin with silicone release coating
- E - White 5.0 mil (0.13 mm) thick polyethylene with silicone release coating
- F - Brown 83# polykraft liner printed with "3M™ Dual Lock™" in green. Good for diecutting directly against liner.

Footnotes: 1) Type 400 is not recommended to be engaged to other type 400 fasteners. As well, type 170 should not be engaged with type 170. 2) Acrylic PSAs are best suited for outdoor or high humidity applications for medium to high energy surfaces. 3) Engaged thickness is for products with the same backcoating. You can mix products with different backcoatings to obtain an even greater variety of engaged thicknesses. Any of these 3M™ Dual Lock™ Reclosable Fasteners can be engaged with 3M™ Loop Reclosable Fasteners providing a quick grab closure with high strength and limited cycle life.

Notes: Suggest 4 square inches of fastener per pound of load as a starting point for evaluation of long term performance. Suggest type 250 engaged to type 250 as a starting point for evaluations. Tensile strength increases in the following order: 170/250 < 250/250 < 170/400 < 250/400. Maximum widths are 6" except 3M™ Dual Lock™ Reclosable Fasteners SJ3443, SJ3444, and SJ3445 which are 4" maximum widths.. All products available on 50 yard rolls except 3M™ Dual Lock™ Reclosable Fasteners SJ3870, SJ3871, and SJ3872 which are 45 yards and SJ3481 which comes in four foot strips. This information should be considered representative only, for help in narrowing the list of possible fasteners for further and more detailed evaluation, and should not be used for specification purposes. User is responsible for determining whether the 3M product is fit for the desired end use. Refer to specific product technical data sheets for more detailed product performance information.

3M™ Hook and Loop Fasteners

Product	Hook/ Loop	Closure Life	Product Material	Liner	Engaged Thickness Inches (mm)	Temperature Resistance (F/C)	Features/Application Ideas
High Performance Rubber Adhesive							
SJ3526N	Hook	5,000	Nylon	A	0.14 (3.6)	120/49	Medium temperature performance. Bonds well to a variety of plastics, bare and powder coated metal, glass, sealed wood, paper and card board. Indoor use.
SJ3527N	Loop	5,000	Nylon	A	0.14 (3.6)	120/49	
Modified Rubber Adhesive							
SJ3532N	Hook	5,000	Nylon	C	0.14 (3.6)	100/38	Medium temperature performance. Bonds well to a variety of plastics, paint, bare and powder coated metal, glass, sealed wood, fabrics, paper and cardboard. Indoor use.
SJ3533N	Loop	5,000	Nylon	C	0.14 (3.6)	100/38	
General Performance Rubber Adhesive							
SJ3530	Hook	5,000	Nylon	C	0.14 (3.6)	90/32	Low temperature performance. Bonds well to a variety of plastics, paint, bare and powder coated metal, glass, sealed wood, fabrics, paper and cardboard. Indoor use.
SJ3531	Loop	5,000	Nylon	C	0.14 (3.6)	90/32	
High Performance Acrylic							
SJ3571	Loop	5,000	Nylon	D	0.14 (3.6)	200/93	High temperature performance. Bonds well to bare and painted (non-powder coated) metal,glass, sealed wood, paint and many plastics. Indoor and outdoor use.
SJ3572	Hook	5,000	Nylon	D	0.14 (3.6)	200/93	
SJ3576	Hook	1,000	Polyester	D	0.14 (3.6)	200/93	High temperature performance. Bonds well to bare and painted (non-powder coated) metal, glass, sealed wood, paint and many plastics. Excellent for humid outdoor conditions. Improved water resistance over nylon product. Indoor and outdoor use.
SJ3577	Loop	1,000	Polyester	D	0.14 (3.6)	200/93	
General Performance Acrylic Adhesive							
SJ3546	Hook	5,000	Nylon	G	0.14 (3.6)	180/82	Medium temperature performance. Bonds well to some low surface energy materials. Indoor and outdoor use.
SJ3547	Loop	5,000	Nylon	G	0.14 (3.6)	180/82	
SJ3596	Hook	5,000	Nylon	G	0.14 (3.6)	180/82	Made in USA. Medium temperature performance. Bonds well to some low surface energy materials. Indoor and outdoor use.
SJ3597	Loop	5,000	Nylon	G	0.14 (3.6)	180/82	
Plasticizer Resistant Acrylic Adhesive							
SJ3522	Hook	5,000	Nylon	B	0.14 (3.6)	158/70	Medium temperature performance. Bonds well to flexible vinyl, bare and painted metal, glass, sealed wood and many plastics. Resists many different plasticized vinyls. Indoor use.
SJ3523	Loop	5,000	Nylon	B	0.14 (3.6)	158/70	
Flame Resistant Adhesive							
SJ3518FR	Loop	5,000	FR Nylon	A	0.14 (3.6)	100/38	Medium temperature performance. Bonds wells to bare and painted metal, paint, glass, sealed wood, paper and cardboard and many plastics.
SJ3519FR	Hook	5,000	FR Nylon	A	0.14 (3.6)	100/38	
SJ3586FR	Hook	1,000	FR Polyester	A	0.17 (4.3)	100/38	Medium temperature performance. Bonds wells to bare and painted metal, paint, glass, sealed wood, paper and cardboard and many plastics. Excellent for humid outdoor conditions. Improved water resistance over nylon product.
SJ3587FR	Loop	1,000	FR Polyester	A	0.17 (4.3)	100/38	

Note: The technical information and data should be considered representative only and should not be used for specification purposes.

Continued on back

3M™ Hook and Loop Fasteners (cont.)

Product	Hook/Loop	Closure Life	Product Material	Liner	Engaged Thickness Inches (mm)	Temperature Resistance (F/C)	Features/Application Ideas
Plain-Back, Non-Adhesive, Sew On							
SJ3401	Loop	5,000	Nylon	None	0.12 (3.0)	200/93	Plain-backed fastener designed for sew on applications. Ideal replacement for zippers, buttons, snaps and laces. Indoor and outdoor use.
SJ3402	Hook	5,000	Nylon	None	0.12 (3.0)	200/93	
SJ3476	Hook	1,000	Polyester	None	0.13 (3.3)	200/93	Plain-backed fastener designed for sew on applications. Ideal replacement for zippers, buttons, snaps and laces. Excellent for humid outdoor conditions. Improved water resistance over nylon product. Indoor and outdoor use.
SJ3477	Loop	1,000	Polyester	None	0.13 (3.3)	200/93	
SJ3418FR	Loop	5,000	FR Nylon	None	0.12 (3.0)	200/93	Flame resistant plain backed fastener designed for sew on applications. Ideal replacement for zippers, buttons, snaps and laces. Indoor and outdoor use.
SJ3419FR	Hook	5,000	FR Nylon	None	0.12 (3.0)	200/93	
SJ3486FR	Hook	1,000	FR Polyester	None	0.13 (3.3)	200/93	Same as above with improved water resistance over nylon product.
SJ3487FR	Loop	1,000	FR Polyester	None	0.13 (3.3)	200/93	

Standard colors: Nylon—black, white and beige; Polyester—black and white. Custom colors available upon request.

3M™ Hook and Loop Fasteners - Low Profile/Thin

Acrylic Adhesive							
SJ3506	Hook	25	Polypropylene	E	0.034 (0.84)	158/70	This product is 75% thinner than standard Hook and Loop. Medium temperature performance. Bonds well to medium surface energy plastics such as polycarbonate, ABS, acrylic and polystyrene. Also bonds well to a variety of other surfaces.
SJ3507	Loop	25	Polyester	E	0.034 (0.84)	158/70	

3M™ Hook and Loop Fasteners SJ3000

No Adhesive							
SJ3000	Back-to-Back Hook and Loop	10	Polypropylene (Hook) Nylon (Loop)	None	0.053 (1.3)	200/93	No stick. No mess. Simply wrap, unwrap and wrap up to 10 times without the hassles of adhesive, knotted strings, waste and cutting. Convenient and secure bundling replacement for tape, string, rubber bands, plastic wire and strapping. High temperature performance. Available in black, red and white.

Liners:

A - White 3 mil polyethylene film printed with "3M" Hook and Loop" in red.
 B - Clear 3.5 mil polyolefin film with no printing.
 C - Yellow 3.0 mil polyethylene film with no printing.
 D - Clear 4.0 mil polypropylene film with white embossed 3M logo.
 E - Brown 83# PCK liner printed with "3M" in green. Good for diecutting directly against liner.
 F - Brown 83# PCK liner with no printing. Good for die-cutting directly against liner.
 G - Silicone-treated polyolefin with 3M logo embossed.

Footnotes: Engaged thickness is for hook and loop with the same backcoating engaged to each other. Any of these 3M™ Loop Reclosable Fasteners can also be engaged with 3M™ Dual Lock™ Reclosable Fasteners providing a quick grab closure with high strength and limited cycle life.

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From attaching chair cushions to adjusting orthopedic braces, when your product requires thousands of easy openings and secure closings, 3M™ Hook and Loop Fasteners give you choices to improve your product and production time.

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