



Reclosable Fasteners Design Guide

*Hidden strength for multiple openings and closings
wherever people live, relax, work, or play*



3M™ Reclosable Fasteners

Smooth surfaces for your design with closure strength and opening ease matched to the job

Zippers, screws, bolts, snaps, hooks and other traditional reclosable fasteners open and close. But if you want to imagine more and achieve more in product design and assembly, consider 3M Reclosable Fasteners for many closings or attachments and easy openings or removals.

Clean lines and smooth sleek surfaces –

3M Reclosable Fasteners are hidden beneath the surface of your product. With adhesive-backed fasteners, there are no surface holes or protrusions.



In and around the seat, 3M™ Flame Resistant Scotchmate™ Reclosable Hook and Loop Fasteners secure a kickplate/access panel, hold seat cushions in place, and fasten carpeting to the floor.



Attach interior wood muntin bars to window glass with clear 3M™ Dual Lock™ Low Profile Reclosable Fasteners.

Fast, easy assembly –

Adhesive-backed versions apply as quickly and easily as tape to many plastics, bare or painted metal, sealed wood, glass and more.



For a lightweight, portable exhibit, the hook side of a 3M™ Scotchmate™ Thin Reclosable Fastener is adhered to the back of a flexible graphic and meshes directly with the fabric backwall.

Expanded design options –

Select closure strengths, shapes, thicknesses, opaque or transparent and plain or pressure sensitive adhesive backings. Adhesives are available with a selection of characteristics such as flame resistance, low or high temperature resistance, bonding to low surface energy plastics, plasticizer resistance and more.

Rolls, piece parts, and custom fabrication



3M™ Reclosable Fasteners are available in rolls. All can be die-cut to fit your design and manufacturing process. 3M™ Dual Lock™ Reclosable Fasteners are also available in ready-to-use piece parts for application where limited surface area prohibits pressure sensitive attachment. Pre-drilled and pop-in stems help simplify fabrication.



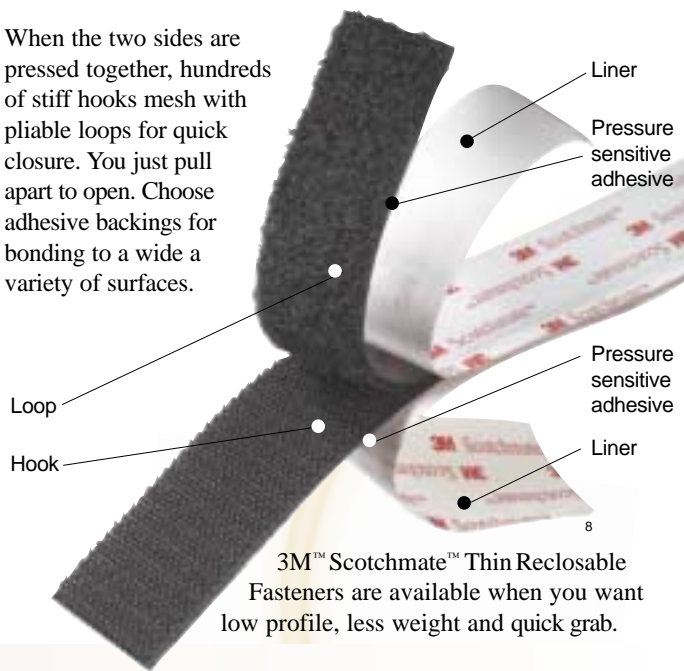
Pre-cut 3M™ Dual Lock™ Reclosable Fasteners hold access panels in electronic equipment. Pre-cut shapes are available with pressure sensitive adhesive or plain backing. Pop-in stems, slide-in pieces or mechanical attachments provide alternative options.



In retail custom framing, frame samples backed with die-cut 3M™ Scotchmate™ Reclosable Fasteners remove from the wall display and replace thousands of times for customer inspection and service.

3M™ Scotchmate™ Reclosable Fasteners family for thousands of easy openings and closings

When the two sides are pressed together, hundreds of stiff hooks mesh with pliable loops for quick closure. You just pull apart to open. Choose adhesive backings for bonding to a wide variety of surfaces.



3M™ Scotchmate™ Thin Reclosable Fasteners are available when you want low profile, less weight and quick grab.

3M™ Dual Lock™ Reclosable Fasteners family for hundreds of closures with greater holding power

When the two sides are pressed together, hundreds of mushroom-shaped stems interlock. “Snap” announces that the fastener is engaged. Compared to hook and loop, tensile strength is greater with 5x more holding power. Choose adhesive-backed for a wide variety of surfaces or plain-backed for sewing, stapling or ultrasonic welding into place.



3M™ Dual Lock™ Low Profile Reclosable Fasteners are available when you want features similar to standard 3M™ Dual Lock™ Reclosable Fasteners, but a thinner version.



Click for reclosable ideas in these and other areas

- Aerospace
- Automotive Interiors
- Commercial Vehicles (trucks, trailers, buses and rail cars)
- Home and Office
- Electronics and Electrical
- Marine
- P.O.P. and Displays



3M™ Scotchmate™ Reclosable Fasteners

Product SJ# xxxx		Fastener Material	Closure Life (Max.)	Adhesive Type	Liner	Engaged Thickness in. (mm)	Operating Temperature	Resist Flame	Other Features
Hook	Loop								
3519FR	3518FR	FR Nylon	5,000	Rubber	Film	0.15 (3.8)	120°F (49°C)	•	Meets FAR 25.853
3522	3523	Nylon	5,000	Acrylic	Film	0.15 (3.8)	158°F (70°C)		Plasticizer resistant adhesive
3526N	3527N	Nylon	5,000	Synthetic rubber	Film	0.15 (3.8)	120°F (49°C)		Lead-product
3530	3531	Nylon	5,000	Synthetic rubber	Film	0.15 (3.8)	100°F (37°C)		Aggressive adhesive
3532N	3533N	Nylon	5,000	Synthetic rubber	Film	0.15 (3.8)	110°F (43°C)		Medium tack
3572	3571	Nylon	5,000	Acrylic	Film	0.15 (3.8)	200°F (93°C)		High performance acrylic adhesive
3576*	3577*	Polyester*	1,000	Acrylic	Film	0.15 (3.8)	200°F (93°C)		High performance acrylic adhesive
3586FR*	3587FR*	FR Polyester*	1,000	Synthetic rubber	Film	0.17 (4.3)	120°F (49°C)	•	Meets FAR 25.853
3M™ Scotchmate™ Thin Reclosable Fastener									
3506	3507	Polypropylene / Polyester	50	Acrylic	Paper	0.04 (0.09)	120°F (49°C)		Thin, limited cycle life

*Polyester fasteners are best suited where weight gain from moisture is not desired.

Standard colors: Black, white, beige (also available in custom colors – minimums apply)

3M™ Dual Lock™ Reclosable Fasteners

Product SJ# (250 / 400 / 170)	Fastener Material	Closure Life	Adhesive Type	Color	Engaged Thickness in. (mm)	Operating Temperature	Other Features
3440 / 41 / 42	Polypropylene	1,000	None	Black	0.21 (5.3)	200°F (93°C)	Plain back
3223 / 3443 / 44	Polypropylene	1,000	None	Black	0.24 (6.1)	200°F (93°C)	Non-woven backing for attaching
3460 / 61 / 62	Polypropylene	1,000	None	Clear	0.21 (5.3)	200°F (93°C)	Clear for color matching
3540 / 41 / 42	Polypropylene	1,000	Rubber	Black	0.28 (7.2)	120°F (49°C)	Good for LSE bonding
3550 / 51 / 52	Polypropylene	1,000	Acrylic	Black	0.27 (6.9)	180°F (82°C)	High performance acrylic foam adhesive
* / 53 / 54	Polypropylene	1,000	Acrylic	Black	0.29 (7.4)	180°F (82°C)	Grey foam
3560 / 61 / 62	Polypropylene	1,000	Acrylic	Clear	0.27 (6.9)	180°F (82°C)	Clear for color matching, high performance VHB tape adhesive
3M™ Dual Lock™ Low Profile Reclosable Fastener							
4570	Polypropylene	100	Acrylic	Clear	0.105 (2.7)	158°F (70°C)	Low profile, LSE adhesive
4580	Polypropylene	100	Acrylic	Clear	0.110 (2.8)	180°F (82°C)	Low profile, high performance VHB tape adhesive

All PSA products are on film liners (except SJ4570 and SJ3506/07 have paper liners) – four square inches of fastening area per pound of static load is a suggested starting point.

Rubber adhesives are suited for indoor applications or attachments to low surface energy (LSE) materials such as polyethylene, polypropylene, powder coated paints, etc. Acrylic adhesives are better suited for outdoor, high temperature or high humidity applications.

* Not available in 250. See Dual Lock Mix and Match Program for alternative adhesives – Refer to Fastening Price Pages

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

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