



Dual Lock™ Reclosable Fastener SJ3552

Product Data Sheet

August 2018
Supersedes: New

Product Description

3M™ Dual Lock™ Reclosable Fastener SJ3552 is a general purpose black reclosable fastener with 170 stems per square inch. This black fastener has mushroom shaped stems on a polypropylene carrier which is coated with a white, general purpose acrylic pressure sensitive adhesive.

Key Features

- Stem density: 170 stems/in² = 26 stems/cm²
- Closure cycle life > 1 000
- Mushroom shaped stems snap in place to ensure fastener is engaged
- Good initial adhesion
- Quick and easy to install
- Durable

Physical Properties

Type	SJ3552
Adhesive Type	Acrylic adhesive
Tape Colour	White
Backing	Black polypropylene
Stems	Black polypropylene
Release Liner	3M branded filmic liner
Engaged Thickness acc. DIN EN 1942: 2008	5.8 mm

Performance Characteristics

Type	SJ3552
90° Peel adhesion to Stainless Steel acc. to ISO 29862:2007 90° peel angle @ RT, after 72h @ RT dwell	21 N/cm
90° Peel adhesion to Stainless Steel acc. to ISO 29862:2007, 90° peel angle @ RT, after 72h @ RT dwell and after 10d @ 38°C & 98% rH	19 N/cm
Dyn. Tensile Engagement Strength acc. to ASTM D897-08, tested @ RT	22 N/cm ²
Dyn. Tensile Disengagement Strength acc. to ASTM D897-08, tested @ RT	42 N/cm ²
Dynamic Shear – Max. Force Acc. to ASTM D3654-06 to stainless steel	7 N/cm ²
Static Shear Strength Stainless Steel acc. to ASTM D3654-06, after 72h @ RT dwell (Holds minimum 155 g/cm ² for 10.000 minutes)	23°C – 1000 g
Static Shear Strength Stainless Steel acc. to ASTM D3654-06, after 72h @ RT dwell (Holds minimum 116,3 g/cm ² for 10.000 minutes)	82°C – 750 g
Permanent static load Dead load has to be supported accordingly in order to prevent excessive creep.	10 N/60 cm ²

Application Ideas

- Access panels on exercise equipment
- Attaching accessories to computer monitors
- Decorative trim attachment
- Kick plates on office partitions
- Fastening of headliner, instrument panel, control boxes and door panels

Additional Performance Characteristics

Washing and Dry Cleaning:
The adhesive present on these Dual Lock products typically makes them unsuitable to washing or dry-cleaning processes

Attachment Techniques

Pressure Sensitive Adhesive attachment:

The fasteners and substrate surfaces should have equilibrated for a minimum of 1 hour at temperatures of 20 °C or greater before application. Generally, this adhesive backed fastener should be applied to surfaces that are smooth, dry and free of oils, mould release agents or other surface contaminants.

The substrate surface should be cleaned to remove any surface contaminants with an appropriate cleaning method for the customer's substrate, type and quantity of surface contaminants that need to be removed.

Note: Be sure to follow all government regulations and the manufacturer's precautions and directions for use when using solvents or other cleaning methods.

After the substrate has been cleaned and dried, the liner is removed from the fastener's adhesive and without touching the adhesive, the fastener's adhesive is applied to the surface using light finger pressure. The fastener can then be rolled down, to increase contact of the adhesive with the substrate's surface, by one of two methods. Extra care must be exercised when rolling down 3M™ Dual Lock™ Reclosable Fasteners to prevent bending of the stems which can compromise the closure strength.

The pressure-sensitive adhesive bonds to the substrate on contact and parts can be handled immediately. Adhesive bond strength increases with time, pressure and temperature.

A minimum of one hour dwell is recommended before applying a load or disengaging assembled parts. Recommended time to achieve maximum bond strength is 24 hours.

Storage & Shelf Life

Store at 16 °C – 25 °C and 40 – 65 % relative humidity in its original box. The product can be stored up to 24 months after production.

Note: The shelf life may be shortened if the original packaging is not properly sealed or stored in an environment with high temperatures or humidity.

For Additional Information

To request additional product information or to arrange for sales assistance, call.....
Address correspondence to: 3M

Important Notice

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law.

Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations

3M is a trademark of the 3M Company.

3M Afrique Francophone

Société à responsabilité limitée Au
capital de 19.756.400 Dirhams Siège
Social: ZF Ksar Almajaz
Bureau 6 Plateforme
Lot n°2 Immeuble 4 zénith Tanger
R.C : 74327, I.F. : 18745050

3M Gulf Limited

Ein El Mreisseh
Saint Charles City Center, 4th Floor
P.O.Box: 11-5025
Riad el Solh
Beirut 1107 2180
Lebanon

3M Minnesota Mining and Manufacturing Nigeria Limited

No 2 Sheraton Opebi Link Road
Ikeja
Lagos
Nigeria

3M Arabia, LLC

Building 24-25 3M Saudi Arabia
Zone C, Business Gate
Airport Road Riyadh
Saudi Arabia

3M Gulf (Representation Office)

Suhaim Bin Hamad St.
Al Mana Towers
Tower B, 2nd Floor, Office No.4
Doha Qatar
P.O.Box 14684

3M Pakistan

Islamic Chamber of Commerce Building
ST-2/A, Block 9, KDA Scheme 5,
Clifton, Karachi
Pakistan

3M Egypt

Finance Center, New Cairo
Plot 140, Banking Sector 5th
settlement
Cairo
Egypt

3M Kenya Ltd

Victoria Towers, 3rd Floor
Kilimanjaro Av, Upperhill
Kenya

3M South Africa and Sub-Saharan Africa

146A Kelvin Drive
Woodmead
Sandton
South Africa

3M Gulf Limited

Dubai Internet City
Building No. 11, 3rd Floor
U.A.E

3M Maroc

Société à responsabilité limitée
Au capital de 18.000.000 de Dirhams
Siège Social: 33,
lot la colline II Sidi Maarouf -
Casablanca
R.C:78517, I.F.: 1084514
Morocco