



# Dual Lock™ Reclosable Fastener SJ3551

## Product Data Sheet

June 2018  
Supersedes: New

### Product Description

3M™ Dual Lock™ Reclosable Fastener SJ3551 is a general purpose black reclosable fastener with 400 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

- Designed to bond to plastic (e.g. ABS)
- Stem density: 400 stems/in<sup>2</sup> = 62 stem/cm<sup>2</sup>
- 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	SJ3551
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	5.4 mm

**Performance Characteristics**

Type	SJ3551
<b>90° Peel adhesion to Stainless Steel</b> acc. to ISO 29862:2007 90° peel angle @ RT, after 72h @ RT dwell	25 N/cm
<b>90° Peel adhesion to ABS</b> acc. to ISO 29862:2007, 90° peel angle @ RT, after 72h @ RT dwell	30 N/cm
<b>90° Peel adhesion to Stainless Steel</b> acc. to ISO 29862:2007, 90° peel angle @ RT, after 72h @ RT dwell and after 10d @ 38°C & 98% rH	19 N/cm
<b>Dyn. Tensile Engagement Strength</b> acc. to ASTM D897-08	141 N/in <sup>2</sup>
<b>Static Shear Strength Stainless Steel</b> ISO 29863:2007, after 72h @ RT dwell (Holds minimum 77.5 g/cm <sup>2</sup> for 10.000 minutes)	23 ° C – 500 g 70 ° C – 500 g

**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, these adhesive backed fasteners 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 18 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