



# Dual Lock™ Reclosable Fastener SJ3870

## Product Data Sheet

January 2017  
Supersedes: New

### Product Description

3M™ Dual Lock™ Reclosable Fastener SJ3870 contains a modified acrylic adhesive. The fastener consists of continuous strips of polyolefine with 250 polyolefine stems per square inch having a mushroom shaped top.

### Key Features

- Modified acrylic adhesive bonds to medium to high surface energy substrates (e.g. metal, ABS)
- Stem density: 250 stems/in<sup>2</sup>
- Closure cycle life > 1 000
- Mushroom shaped stems snap in place to ensure fastener is engaged
- Good aging performance and resistance against humidity
- Good initial adhesion
- Quick and easy to install
- Durable for indoor and outdoor applications

### Physical Properties

<b>Type</b>	<b>SJ3870</b>
<b>Adhesive Type</b>	Modified acrylic adhesive
<b>Tape Colour</b>	Black
<b>Backing</b>	Black polypropylene
<b>Stems</b>	Black polypropylene
<b>Release Liner</b>	3M branded filmic liner
<b>Engaged Thickness</b> acc. DIN EN 1942: 2008	5.8 mm

**Performance Characteristics**

Type	SJ3870
<b>90 ° Peel adhesion to Stainless Steel</b> acc. to ISO 29862:2007, 90 ° peel angle @ RT, after 72h @ RT dwell	42 N/cm
<b>90 ° Peel adhesion to PP</b> acc. to ISO 29862:2007, 90 ° peel angle @ RT, after 72h @ RT dwell	3 N/cm
<b>90 ° Peel adhesion to ABS</b> acc. to ISO 29862:2007, 90 ° peel angle @ RT, after 72h @ RT dwell	53 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	33 N/cm
<b>Dyn. Tensile Engagement Strength</b> acc. to ASTM D897-08, tested @ RT	113 N/in <sup>2</sup>
<b>Dyn. Tensile Disengagement Strength</b> acc. to ASTM D897-08, tested @ RT	231 N/in <sup>2</sup>
<b>Dyn. Tensile Disengagement Strength</b> acc. to ASTM D897-08, tested @ 70 °C	72 kPa
<b>Dynamic Shear – Max. Force</b> acc. ISO 29863:2007 to aluminium	83 kPa
<b>Dynamic Shear – Elongation</b> acc. ISO 29863:2007 to aluminium	69 %
<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
<b>„T“ Peel (flexible to flexible)</b> acc. ISO 29862:2007	50 N/cm

**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 United Kingdom PLC**  
2M Centre, Cain Road, Bracknell  
RG12 8HT  
United Kingdom

**3M Svenska AB**  
Herrjärva torg 4  
170 67 Solna  
Sweden

**3M Eesti OÜ**  
Pärnu mnt. 158  
11317 Tallinn  
Estonia

**3M Ireland Ltd**  
The Iveagh Building, 3rd Floor  
The Park, Carrickmines 18  
Ireland

**3M a/s**  
Hannemanns Allé 53  
DK-2300 Copenhagen S.  
Denmark

**3M Latvia SIA**  
K.Ulmaņa gatve 5  
Rīga, LV-1004  
Latvia

**3M Belgium bvba/sprl**  
Hermeslaan 7  
1831 Diegem  
Belgium

**3M Norge AS**  
Tærudgata 16  
2004 Lillestrøm  
Norway

**3M Lietuva UAB**  
A.Goštauto g. 40  
Vilnius LT- 03163  
Lithuania

**3M Nederland B.V.**  
Molengraaffsingel 29  
2629 JD Delft  
The Netherlands

**Suomen 3M Oy**  
Keilaranta 6  
02150 Espoo  
Finland