



# Dual Lock™ Reclosable Fastener SJ3870

## Product Data Sheet

September 2022  
Supersedes: January 2017

### 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

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**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