



# Dual Lock™ Reclosable Fastener SJ3550

## Product Data Sheet

January 2017  
Supersedes: October 2016

### Product Description

3M™ Dual Lock™ Reclosable Fastener SJ3550 is a general purpose black reclosable fastener with 250 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

- General purpose 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>SJ3550</b>
<b>Adhesive Type</b>	Acrylic adhesive
<b>Tape Colour</b>	White
<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	5.4 mm

**Performance Characteristics**

Type	SJ3550
<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 PP</b> acc. to ISO 29862:2007, 90 ° peel angle @ RT, after 72h @ RT dwell	4 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	23 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	56 kPa
<b>Dynamic Shear – Max. Force</b> acc. ISO 29863:2007 to stainless steel	102 kPa
<b>Dynamic Shear – Elongation</b> acc. ISO 29863:2007 to stainless steel	60 %
<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	53 N/cm

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**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.

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**For Additional Information**

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

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**Important Notice**

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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

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