



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/in²
- 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

| | |
|--|-------------------------|
| Type | SJ3550 |
| 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 | SJ3550 |
|---|--------------------------------|
| 90 ° Peel adhesion to Stainless Steel acc. to ISO 29862:2007, 90 ° peel angle @ RT, after 72h @ RT dwell | 25 N/cm |
| 90 ° Peel adhesion to PP acc. to ISO 29862:2007, 90 ° peel angle @ RT, after 72h @ RT dwell | 4 N/cm |
| 90 ° Peel adhesion to ABS acc. to ISO 29862:2007, 90 ° peel angle @ RT, after 72h @ RT dwell | 30 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 | 23 N/cm |
| Dyn. Tensile Engagement Strength acc. to ASTM D897-08, tested @ RT | 113 N/in ² |
| Dyn. Tensile Disengagement Strength acc. to ASTM D897-08, tested @ RT | 231 N/in ² |
| Dyn. Tensile Disengagement Strength acc. to ASTM D897-08, tested @ 70 °C | 56 kPa |
| Dynamic Shear – Max. Force acc. ISO 29863:2007 to stainless steel | 102 kPa |
| Dynamic Shear – Elongation acc. ISO 29863:2007 to stainless steel | 60 % |
| Static Shear Strength Stainless Steel ISO 29863:2007, after 72h @ RT dwell (Holds minimum 77.5 g/cm ² for 10.000 minutes) | 23 °C – 500 g 70 °C – 500 g |
| „T“ Peel (flexible to flexible) acc. ISO 29862:2007 | 53 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

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