



3M™ Dual Lock™ Low Profile Reclosable Fastener SJ3552

3M™ Dual Lock™ Reclosable Fasteners are positive locking, hidden fasteners designed for use in a variety of attachment solutions. They consist of continuous strips of polyolefin stems with a mushroom shaped top protruding up from the backing. When snapped together the mushroom shaped caps interlock producing a strong reliable Fastener. The standard Dual Lock fasteners are available in three different stem densities (170, 250 and 400) referring to the approximate number of stems per square inch. (26, 39, 62 stems per square centimeter) By inter-locking different stem density combinations you can create the strength that suits your application; more total stems give higher strength. The Dual Lock Reclosable fasteners can be mated in the following combinations of increasing closure strength: Type 170 to Type 250, Type 170 to Type 400, Type 250 to Type 250 and Type 250 to Type 400. We do not recommend using the Type 170 to 170 because it does not have enough strength for a good connection. We do not recommend using the Type 400 to 400 because it is too strong and may cause stems and heads to rip out rendering the fastener no longer reclosable. The Dual Lock Low Profile has one stem density of approximately 705 stems per square inch and they interlock to themselves. The low profile products are not intended to mate to the standard size Dual Lock.

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

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PHYSICAL PROPERTY	UNIT	VALUE
Color	-	Black
Adhesive Type	-	Acrylic (White)
Stems	stems/in ² stems/cm ²	26 170
Thickness	mm mil	3.51 138
Engaged Thickness	mm mil	5.74 226
Liner	-	Silicone treated Polyolefin with Red Printing
Primary Liner Color	-	Clear
Liner Thickness	mm mil	0.1 4
Long Term Temperature Resistance	°F °C	200 93
90° PEEL ADHESION SUBSTRATE	UNIT	VALUE
Type 170 to 250	n/cm lb/in	3.2 1.8
Type 170 to 400	n/cm lb/in	14.5 21
Type 250 to 250	n/cm lb/in	3.3 1.9

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90° PEEL ADHESION SUBSTRATE	UNIT	VALUE
Type 250 to 400	n/cm lb/in	8.1 4.6
OVERALL SHEAR STRENGTH SUBSTRATE	UNIT	VALUE
Type 170 to 250	n/cm ² lb/in ²	9.8 14
Type 170 to 400	n/cm ² lb/in ²	14.5 21
Type 250 to 250	n/cm ² lb/in ²	15 22
Type 250 to 400	n/cm ² lb/in ²	41.3 59
T-PEEL ADHESION SUBSTRATE	UNIT	VALUE
Type 170 to 250	n/cm lb/in	1.2 0.7
Type 170 to 400	n/cm lb/in	2.5 1.4
Type 250 to 250	n/cm lb/in	3.3 1.9
Type 250 to 400	n/cm lb/in	2.6 1.5
DYNAMIC TENSILE (DISENGAGE) SUBSTRATE	UNIT	VALUE
Type 170 to 250	n/cm ² lb/in ²	18.5 27
Type 170 to 400	n/cm ² lb/in ²	29.6 43
Type 250 to 250	n/cm ² lb/in ²	29.6 43
Type 250 to 400	n/cm ² lb/in ²	41.4 60
DYNAMIC TENSILE (ENGAGE) SUBSTRATE	UNIT	VALUE
Low Profile to Low Profile	n/cm ² lb/in ²	18.5 27

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DYNAMIC TENSILE (ENGAGE) SUBSTRATE	UNIT	VALUE
Type 170 to 250	n/cm ² lb/in ²	9 13
Type 170 to 400	n/cm ² lb/in ²	14.5 21
Type 250 to 250	n/cm ² lb/in ²	15.2 22
Type 250 to 400	n/cm ² lb/in ²	21.4 31
CLEAVAGE STRENGTH SUBSTRATE	UNIT	VALUE
Type 170 to 400	n/cm lb/in	35 20
Type 250 to 250	n/cm lb/in	42 24
Type 250 to 400	n/cm lb/in	56 32
Type 170 to 250	n/cm lb/in	21 12
CYCLE LIFE SUBSTRATE	UNIT	VALUE
Type 170 to 250	-	1,000
Type 170 to 400	-	1,000
Type 250 to 250	-	1,000
Type 250 to 400	-	1,000