

## Faswell Hook and Loop Acrylic Adhesive

Closure Performance					
Tape width		Shear Strength (50mm of fastening length)		Peel Strength	
inch	mm	in pounds	in kilograms	in pounds	in grams
5/8	16	14.3lb	6.5kg	0.55lb	250g
3/4	20	17.6lb	8.0kg	0.70lb	320g
1	25	22.0lb	10.0kg	0.88lb	400g
1-1/4	30	26.4lb	12.0kg	0.99lb	450g
1-1/2	38	33.0lb	15.0kg	1.32lb	600g
2	50	44.0lb	20.0kg	1.76lb	800g
4	100	88.0lb	40.0kg	3.52lb	1600g

■ Shear strength on all widths is approximately 9.2PSI(0.649KG/CM<sup>2</sup>)

Physical & Chemical Characteristics	
Resistance to heat	Softening point 180°C, melting point 215–200°C.
Resistance to cold	No change at -30°C for 5 hours.
Resistance to water	Retain 50% of closure strength in water and recovers 100% of strength after drying.
Resistance to chemicals	Alkalis Resistant to 50% caustic soda, and 28% ammonia solutions.
	Acids Resistant to 7% hydrochloric acid, 20% sulphuric acid and 10% nitric acid solutions.
Influence of insects, mold	Not affected.
Influence of humidity	In humidity over 90% RH, Closure strength is Somewhat reduced

Color Fastness		
Item	Standard	Grade
Color fastness against washing	CNS 1494 JIS-0844-1986A-2	Grade 4 or superior
Color fastness against dry/wet rubbing	CNS 1499 JIS-L-0849-1971	Grade 4 or superior
Color fastness against sweat	CNS 1496 JIS-L-0848-1974-A	Grade 4 or superior
Color fastness against hot water	CNS 1495 JIS-L-0845-1975-3	Grade 4 or superior
Color fastness against light	CNS 1493 JIS-L-0842-1988	Grade 4 or superior

■ Above data excluding the neon color

Durability Test			
	After 1,000 times	After 2,000 times	After 5,000 times
Hook x nap loop	90%	70%	60%
	No changes	Almost no changes	Slight changes
Hook x unnap loop	90%	80%	75%
	No changes	No changes	Almost no changes
Soft hook x nap loop	90%	70%	60%
	No changes	Almost no changes	Slight changes

■ Percentage shows the remaining strength after certain repeated peelings. ■ Durability testing device

