

101 MATERIAL DATA SHEET

Component:	Hook Tape	Polyamide 100%
	Loop Tape	Polyamide 100%

Technical Data

Widths:

16mm
20mm
25mm
30mm
38mm
50mm
100mm
150mm

Weight/25m:

170g
200g
250g
300g
380g
500g
1000g
1500g

Width Tolerance: 5%

Thickness 2.02mm

Tensile Strength: (force in N per cm width)

Hook Tape	399 N/cm
Loop Tape	352 N/cm

Dimensional change at 40°C wash
BS EN ISO 6330:2001

length -1.5% width -2.1%

Dimensional change at 60°C wash
AATCC 135 60

length -2.6% width -4.0%

Minimum Peel Strength (strength in N per cm width) EN12242 2000



After 1 time opening and closing (min req. >1.5N)	2.1N/cm
After 5000 times opening and closing	1.10N/cm
After 10,000 times opening and closing (min req.>0.65N)	0.95N/cm
Strength after 60°C wash	2.0N/cm

Minimum Shear Strength (strength in N per cm²)



After 1 time opening and closing (min req. >6N)	12.25N/cm ²
After 5000 times opening and closing	7.55N/cm ²
After 10,000 times opening and closing (min req. >3N)	6.37N/cm ²
Strength after 60°C wash	>11.0N/cm ²

Colour Fastness	Requirement	Actual
Colour fastness to washing 40°C	3	4-5
Colour fastness to washing 60°C	3	4-5
Colour fastness to dry cleaning	3	4-5
Colour fastness to rubbing	3	4
Colour fastness to perspiration	3	4
Colour fastness to Light	3	4-5

Temperature resistance:

Heat: Melting point of Hook: 220°C, Loop 180°C. Hook becomes soft at 180°C and begins to melt at 210°C-220°C

Cold: The lower the temperature, the stronger the tensile strength. Durability however, is somewhat reduced at low temperature.

Humidity: In humidity over 90% RH, tensile strength is somewhat reduced.