

DesignerOne[®] ABS Edging

TECHNICAL DATA SHEET (TDS)

SECTION 1 - TECHNICAL DATA

1.1 Technical data

Any material or process related irregularities must not be apparent at a distance of 0.5 m.

Properties	Unit	Value	Standard
Light fastness (for internal application)	Grey scale	4	EN 438-2
Indentation hardness	N/mm ²	90 - 110	ISO 2039-1
Hardness Shore D	-	70 ± 4	ISO 868
Impact strength, 23 °C notched	KJ/m ²	17 - 19	ISO 179/2C
Impact strength, 23 °C unnotched	-	No break	ISO 179/2D
Vicat softening temperature (50 °C/h, B 50N)	°C	Approx. 98	ISO 306
Chemical resistance	-	Good 1-B	DIN 68861
Shrinkage (1h at 80°C)	%	< 0.6	Works standard
Static charging	-	Very low	-

1.2 Processing characteristics

Machining	ABS suitability
Cutting	Good
Milling direction	counter direction ¹⁾
Pre-milling	Good
Radius milling	Good
Profiling	Good
Scraper processing	Good
Buffing	Good
Bonding	Any conventional hot-melt adhesive suitable for edging tapes can be used
Polish ability	Good
Stress whitening	Medium
Lacquer ability	Good
Machining centre processing compatibility	Good

¹⁾ Counter direction milling is recommended for all thermoplastic edging material. ABS edge bandings are good electrical insulators and possess high surface and volume resistivity.

SECTION 2 - TOLERANCES

2.1 Edge Banding Width

Width [mm]	Tolerance [mm]
12 - 54	± 0.45

2.2 Edge Banding Thickness

Thickness [mm]	Tolerance [mm]
12 - 54	+ 0.15 / - 0.10
1.1 - 2.0	+ 0.10 / - 0.20
2.1 - 2.0	+ 0.15 / - 0.25

2.3 Pre-tension

Thickness [mm]	Width up to 30mm	Width over 30 mm
0 - 1.0	0.00 - 0.40	0.00 - 0.50
1.1 - 3.0	0.00 - 0.30	0.00 - 0.40

2.4 Plane-parallelism

Thickness [mm]	Maximum deviation [mm]
0 - 2.0	0.10
2.1 - 3.0	0.15

2.5 Longitudinal Distortion

Width [mm]	Maximum stretching to 1 m length [mm]
0 - 3.0	3.0

SECTION 3 - STORAGE

EGGER ABS Edge Banding tape is resistant to rot and may therefore be stored at room temperature (18 - 24 °C) in a room that is weatherproof and protected from direct sun light for a virtually unlimited period.

Information on working with EGGER ABS Edge Banding can be found in our processing instructions.