



TECHNICAL DATA SHEET

ProClassic

ABS Edgebanding

Chemical characteristics: Acrylonitrile Butadiene Styrene

Physical state: Solid

Commercial designation

Thin material or ProClassic.

Produced in multiple combinations of solid colours, woodgrains and other patterns reproductions.

Product identification - 1 - ABS.

Range identification - 3 - ProClassic.

Available surface finishes

2 - Smooth

3 - Wood Tick

4 - Top Face

A - AS / Lluvia

F - Matrix

H - Poro Legno

Thickness

Thicknesses available from 0.45mm up to 1.20mm with $\pm 5\%$ tolerance.

Width

From 14mm up to 230mm for woodgrains and from 14mm up to 700mm for solid colours, with ± 0.5 mm tolerance.

Impact resistance

The impact resistance is defined by an impact of a weight of 303g (approximately). The specified minimum height for the fall is 90cm for solid colours and 80cm for printed material.

Abrasion resistance (Woodgrain imitation)

For thickness under 2.00mm the specified resistance is 80 cycles according to ISO 7784 - 2 (adapted).

Note: Applicable only for printed material.

Gloss

The specified gloss, determined by ISO 2813, is as follows (equipment reading angle = 60°):

Solid colours

Surface finish 2 (< 0.8mm) - Gloss = 10 ± 3 u.b.

Surface finish 2 (≥ 0.8 mm) - Gloss = 25 ± 5 u.b.

Surface finish 3 - Gloss = 15 ± 5 u.b.

Surface finish 4 - Gloss = 8 ± 4 u.b.

Surface finish A - Gloss = 17 ± 4 u.b.

Surface finish F and H - Gloss = Visual evaluation

Woodgrains

Surface finish 2, 3, 4 and A - Gloss = 13 ± 4 u.b.

Surface finish F and H - Gloss = Visual evaluation

Surface finish 2 (high gloss) - Gloss = 55 ± 10 u.b.

Surface finish 3,4 and A (high gloss) - Gloss = 45 ± 10 u.b.



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Hardness

The specified value is 72 ± 2 Shore D, according to the standard ASTM D2240 and ISO 868 (minimum thickness = 3mm).

Dimensional stability

During 1 hour at 80°C the shrinkage is < 0.6%, according to the standard DIN 53377.

Density

Range between 1.03 and 1.06 according to the standard DIN 53479.

Water absorption

Negligible water absorption according to the standard ISO 62.

Softening temperature

Specified between $103^{\circ}\text{C} \pm 1$ according to the standard ASTM D 1525 and ISO 306.

Tensile strength at break

The tensile strength at break is 42 ± 2 MPa according to the standard DIN 53455 and ISO 527 – 3.

Light fastness

The light fastness is equivalent to n⁵ in the grey scale, according to the standard ISO 4582 and ISO 4892 – 1 – 2 (adapted).

Flammability

Not self-extinguishable according to the standard UL 94.

Stain resistance

Good resistance to white and red wine, beer, condensed milk, black currant juice, oxygenated water, water, mercurochrome and cola, according to DIN 68861.

Storage temperature

The recommended storage temperature is between 18°C and 25°C.

Shelf Life

The product should be used up to 18 months after production date.

Warranty

Probos edgebanding products are produced according to industry-accepted standards. However, due to variations in raw materials, some minor colour drift can occur from batch to batch.

Customers should inspect the supplied materials, prior to use.

The manufacturer's warranty and liability for bond, colour, pattern, surface embossing and recommended matches extend only to the replacement value of the specific edgebanding material involved.