



TECHNICAL DATA SHEET

ProFlex

PVC Edgebanding

Chemical characteristics : Semi hard PVC Barium / Cadmium free stabilised

Physical state : Solid

Commercial designation

Flexible thick edge or ProFlex.

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

Product identification - 0 - PVC.

Range identification - 8 - ProFlex.

Available surface finishes

2 - Smooth

3 - Wood Tick

4 - Top Face

8 - Ash Pore

Thickness

Thicknesses available from 1.50mm up to 3.00mm with ± 0.1 mm tolerance for thicknesses up to 2.00mm and $\pm 5\%$ tolerance for thicknesses below 2.00mm.

Width

From 12mm up to 410mm with ± 0.5 mm tolerance.

Abrasion resistance

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

Note: Applicable only for printed material.

Scratch resistance

For scratch test specified resistance is 1,5Kg, according to ISO 1518 (adapted).

Note: Applicable only for printed material.

PROBOS-RESINAS E PLÁSTICOS, S.A.

Mindelo, 4486-851 Vila do Conde - Portugal

Tel: (+351) 229287000, Fax: (+351) 229271215

E-mail: proedje@promotor.pt

www.probos.pt



Gloss

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

Solid colours

Surface finish 2 (≤ 2 mm) - Gloss = 27 ± 5 u.b.

Surface finish 2 (> 2 mm) - Gloss = 40 ± 8 u.b.

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

Surface finish 4 - Gloss = 20 ± 5 u.b.

Surface finish 8 - Gloss = 8 ± 3 u.b.

Woodgrains

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

Surface finish 8 - Gloss = 8 ± 3 u.b.

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

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

Surface finish 8 (high gloss) - Gloss = 35 ± 10 u.b.

Hardness

The specified value is 74 ± 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 $< 1.5\%$, according to the standard DIN 53377.

Density

Range between 1.3 and 1.4 according to the standard DIN 53479.

Water absorption

Negligible water absorption according to the standard ISO 62.

Softening temperature

Specified between 76°C and 78°C according to the standard ASTM D 1525 and ISO 306.

Tensile strength at break

The tensile strength at break is 30 N/mm² according to the standard 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

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, cola, cleaning agents, lixivium 12°, 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.



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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.