

# PROBOS-RESINAS E PLÁSTICOS, S.A.

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## TECHNICAL DATA SHEET

# ProThick

## ABS Edgebanding

**Chemical characteristics:** Acrylonitrile Butadiene Styrene

**Physical state:** Solid

### Commercial designation

Thick edge or ProThick.

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

Product identification - 1 - ABS.

Range identification - 4 - ProThick.

### Available surface finishes

2 - Smooth

3 - Wood Tick

4 - Top Face

6 - Sandy

A - AS / Lluvia

### Thickness

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

### Width

From 16mm to 44mm with  $\pm 0.5$ mm tolerance.

### Scratch resistance

For scratch test specified resistance is 1,5Kg, according to ISO 1518 (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 and A - Gloss =  $17 \pm 4$  u.b.

Surface finish 4 - Gloss =  $8 \pm 4$  u.b.

Surface finish 6 - Gloss =  $12 \pm 3$  u.b.

#### Woodgrains

Surface finish 2, 3, 4, 6 and A - Gloss =  $13 \pm 4$  u.b.

Surface finish 2 (high gloss) - Gloss =  $55 \pm 10$  u.b.

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

**Prodec**

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### Hardness

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

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### Dimensional stability

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

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### Density

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

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### Water absorption

Negligible water absorption according to the standard ISO 62.

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### Softening temperature

Specified between 103°C  $\pm 1$  according to the standard ASTM D 1525 and ISO 306.

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### Tensile strength at break

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

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### Light fastness

The light fastness is equivalent to n<sup>5</sup> in the grey scale, according to the standard ISO 4582 and 4892 – 1 – 2 (adapted).

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### Flammability

Not self-extinguishable according to the standard UL 94.

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### 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.

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### Storage temperature

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

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### 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.