

TECHNICAL DATA SHEET

ABS Edgebanding

Product Name

ABS (Acrylonitrile Butadiene Styrene) Edgebanding

Producer

Company	Tece Dekor Ltd
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Description

- Suitable for edging of MDF and chipboard panels
- Excellent adhesion with hot-melt adhesives
- Colorized opaque base
- Original wood pattern and colors
- Available surface finishes: Smooth, High Gloss, Matrix, Pearl, Ashpore, Woodpore, Woodline
- Excellent resistance to physical damage
- Edging applied to panels in all sorts of furniture production
- Chlorine-free plastic: possibility to be recycled or incinerated with general waste

Specifications

Shore Hardness D (ISO 868)	75 ± 4
Resistance to warping under heat — Vicat B 50 (ISO 306)	100 ± 2°C
Impact Resistance 23°C, Charpy (ISO 179-1)	13 ± 2 kJ/m²
Tensile Strength (ISO 527-2)	46 MPa
Scratch resistance (EN 15186)	≥ 1.5 Newton
Cross cut test (ISO 2409)	Classification 1
Flammability (UL 94)	HB
Width	X mm ± 0.5mm (11–88mm, cut to order)
Thickness 0.80mm	+0.04 / -0.12

Thickness 1.00mm	Tolerance on request
Resistance to Chemicals (DIN 68861)	Good (Class 1B), except acetone / ethyl butyl acetate
Light Fastness, Xenon Arc 200h (ISO 4892-2)	$\Delta E_{cmc} = 0.4\text{--}1.4$, no cracking, no chalking (Grey Scale ≥ 4)
Static Charge	Low (non-antistatic)
Density (EN ISO 1183-1)	1.05–1.10 g/cm³
Gloss, High Gloss Solid / Woodgrain (ISO 2813)	≥ 90 GU
Gloss, Woodgrains	15–20 GU
Gloss, Embossed Surface	5–10 GU
Dimensional Stability, 1h at 80°C	Shrinkage < 0.5%
Color Variation, Solid Colors	Max. 1.0 ΔE^* from master sample
Color Fastness	Light fastness 6–8 on the blue wool scale

Available Sizes

Width: any width from 11mm to 88mm, cut to order (e.g. 22mm, 33mm, 44mm). Thickness: 0.80mm and 1.00mm (fixed per color). Standard roll length: 150m at 0.80mm and 1.00mm thickness.

Storage

Recommended storage temperature: 18–25°C. Use within 24 months of production date.

Cleaning

After application, remaining glue can be cleaned with cleaning materials designed specifically for ABS. A test of the cleaning material is always recommended. Do not use solvent-based or alcohol-based cleaning agents, which can damage the surface of ABS edgebanding.

Processing Notes

Whitening on trimmed edges (above 1mm thickness). Keep trimming knives sharp and use the correct polishing chemical to restore original color.

Solvent damage to the surface. ABS has limited solvent resistance compared to PVC — use only solvents rated for ABS.

Whitening at turning radius. Restore original color with heat (e.g. a hot air blower) applied to the whitened spot.

Poor adhesion / hotmelt residue. Keep room temperature above 15°C, board/edgebanding above 10°C, verify hotmelt tank temperature and roller pressure.