

## Technical Data Sheet

### LignaDecor® ABS Edgeband

#### Description/Chemical Characterization

Thermoplastic ABS (acrylonitrile-butadiene-styrene) edgebanding, including colorants, coated with primer on the backside. Topcoated with UV cured lacquer for printed types.

#### Application Conditions

Applicable on commercial edgebanding machines, aiming to cover the cut edges of chipboard and MDF. Backside primered so as to apply EVA, PUR, APAO and PA hotmelt adhesives. Should be processed at room temperatures, with processing temperatures of 90-210°C which should be optimized via trials at the site by the user according to the hotmelt type, machine feed rate, etc. Chipboard/MDF moisture content should be less than 8%.

#### Physical and Chemical Properties

Form:	Solid
Odour:	None
Colour:	Different designs and wood décors available.
Colour tolerance:	$\Delta E < 1$ , compared with the master sample.
Thickness:	$\pm 10\%$ of the specified order thickness.
Width:	$\pm 5\%$ of the specified order width.
Gloss at 60°:	5-25, might be adjusted according to the colormatch.
Hardness (Shore D):	68 $\pm$ 2
Vicat softening temperature (B50):	98 °C $\pm$ 2 °C
Tensile strength at yield:	35 N/mm <sup>2</sup> $\pm$ 5 N/mm <sup>2</sup>
Tensile strength at break:	25 N/mm <sup>2</sup> $\pm$ 5 N/mm <sup>2</sup>
Flexural strength:	60 N/mm <sup>2</sup> $\pm$ 5 N/mm <sup>2</sup>
Shrinkage (80 °C, 1 hour):	max. 0.7%
Density:	1.01 $\pm$ 0.03 g/cm <sup>3</sup>
Solubility in water:	Insoluble
Boiling point:	Not applicable
Vapor density:	Not applicable
Vapor pressure:	Not applicable
Thermal decomposition temperature:	ca. 300 °C
Light fastness:	6-7 blue wool scale; 4-5 gray scale, as per EN ISO 4892
Chemical resistance:	good, as per DIN 68861

#### Packaging

In labeled carton boxes or as jumbo rolls, according to the customer requirements. A carton box contains 2-9 labeled edgebands depending on the width of the product.

#### Storage

Preserve at 20 – 25 °C under dry conditions for at least 1 day before processing. Do not store under direct sunlight.

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### Shelf life

In case of proper storing conditions, no change of properties might be observed for a long time.

### Disposal/Handling

Dispose according to local legislations or instructions. Normally considered as commercial waste similar to household waste.