

PP

Thermoplastic Edgings

Technical Data Sheet

General Information

PROLASER PP edging is coextruded, comprising of two identically matched layers, a Premium Coating Layer and Functional Layer. The perfectly square form guarantees a seamless connection between board & edging with no need for hotmelt adhesive.

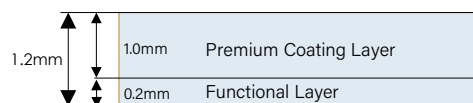
PROLASER PP edging can meet all top-quality demands. Product Identifier: CAS No. : 9003-07-0

Trade Name	Process	Substance name	Content
Prolaser PP	Coextruded	Polypropylene (PP)	80-95 Wt. %

Processing Guides

Fusion technologies	Kw	J/cm ²	Contact pressure	Speed	Nozzle temp	Nozzle pressure	Heating element
Biesse - Airforce Akron	-	-	3 bar	12-15m / min	420°C	-	620°C
Biesse - Airforce Stream	-	-	3 bar	18m / min	500°C	-	730°C
Brandt - Airtec	-	-	3 bar	15m / min	320°C	6 bar	-
Holzher - NIR	6	-	2-5	15m / min	-	-	-
Homag - Airtec	-	22	3 bar	20m / min	450°C	-	650°C
Hyfuse	-	-	-	-	-	-	-
SCM - Air Fusion	-	-	4-5 bar	12m / min	360°C	-	450°C
IMA	-	21	-	-	-	-	-

Physical & Chemical Properties



Description	Odor	Melting point	Decomposition temp	Flash point	Ignition temp	Relative density	Water solubility
PP & mineral fillers	Almost Odorless	>160°C	>300°C	>300°C	>350°C	≈ 1 g/cm ³ at 20°C	Insoluble

Cleaning

The use of special synthetic cleaners is recommended for Prolaser PP edgings. Substances with a high solvent content, and alcoholic substances should not be used.

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Storage

Prolaser PP edgings are resistant to rotting, and so can be stored virtually indefinitely in an environment protected from the weather and at room temperature.

Heat Distortion Resistance

With a value of 90 (\pm 5) °C, Prolaser PP edgings are excellently suited for use in the furniture industry. Measurements are in line with Vicat B 50. Also, the low shrinking capacity of Prolaser PP edgings has a positive effect on the piece of furniture when under the influence of temperature. Prolaser PP edgings have been tested by the state trade agency (LGA) in Nuremberg. Prolaser PP edgings are inflammable, just like derived timber products. Pyrolysis does not start until about 300°C.

Disposal

Left-over Prolaser PP edgings can be incinerated without problem, together with left-over chippings, at plants having the relevant permits. The manufacturers have also ensured that no chlorine compounds are used in coating materials. The thresholds of strict TA-Luft1 are observed. Chipboards with worn Prolaser PP edgings can also be disposed of without problem by your chipboard manufacturer. There is no tedious sorting of waste or separation of edging and board.

Hazards

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. Mechanical processing may cause dust. May cause eye irritation. May cause respiratory irritation. May cause skin irritation. Damage can be caused through mechanical influence of the product. Keep away from ignition sources. Take precautionary measures against static discharge. Electrostatically charged moldings can become a source of ignition for other materials or damage electronic components. In case of accident or un-wellness, seek medical advice at once.

Proadec edgebanding products are produced according to industry-accepted standards. However, due to variations in raw materials some minor colour drift from batch to batch can occur. All supplied materials should be inspected 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. Indicated data serve for orientation only. They do not represent any warranty. Consultation with us does not exempt you from executing your own testing for the planned methods and purposes. Application, use and processing of our products, as well as your manufacturing of final goods are beyond our control and thus, lie solely in your responsibility. Dv-0123