

LC25 (MDF drill backup material)



Product description

LC25 is a backup material based on MDF (wood fiber plate with medium density).

Application

LC25 is used as cost-efficient drill backup material for the mechanical drilling and milling of printed circuit boards.

For higher requirements we recommend our products PHP (phenolic paper) and MP6 (melamine coated HDF wood fiber plate).

Process information

Mechanical processing of LC25 (drilling, milling, sawing) can be done easily.

When using LC25 as backup material for drilling and milling you can apply your standard parameters for drilling and milling.

Material properties

Property	typical values	Testing method
Material:	MDF (wood fiber plate with medium density)	
Color:	brown	
Formaldehyde class	E1 (≤ 8 mg/100 g)	EN 120
Density:	870 ± 5 % (kg/m^3)	EN 323
Humidity content:	4-10 %	EN 322
Thickness:	2.5 mm \pm 0.2 mm	EN 324-1
Flexural strength:	33 N/mm ²	EN 310
Modulus of elasticity:	3300 N/mm ²	EN 310
Internal strength:	0.9 N/mm ²	EN 319

Storage & handling

Temperature:	15 – 25 °C
Relative humidity:	40 – 60 %
Storage:	Flat in original package until usage. This helps to minimize moisture pickup.

Availability

Thickness:	Standard thickness 2.5 mm
Sheets:	1240x1070 mm; 1240x930 mm
Cut to size:	Size according customer specification. Tolerance less than \pm 1 mm.

The typical values are based on data from production and from sample measurements in the lab. This data should be considered as general information. It is the responsibility of the user to ensure that the product complies with his requirements.

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