

MP6 (HDF drill backup material, melamine coated)

Product description

MP6 is a backup material based on HDF (wood fiber plate with high density). In addition the material is coated and cured with melamine resin on both sides. The melamine coating increases the surface hardness for better hole quality.

Application

MP6 is used as drill backup material for the mechanical drilling and milling of printed circuit boards. Because of the melamine coating with higher hardness you will get better hole quality.

- minimized drill burr
- reduced smearing
- less hole wall roughness



Process information

Mechanical processing of MP6 (drilling, milling, sawing) can be done easily. When using MP6 as backup material for drilling and milling you can apply your standard parameters for drilling and milling.

Material properties

Property	typical values
Material:	HDF (wood fiber plate with high density and melamine coating)
Color:	white (surface)
Formaldehyde release	≤ 0.3 ppm
Density:	900 ± 30 kg/m ³
Humidity content:	< 7 %
Thickness:	$2.5 \text{ mm} \pm 0.2 \text{ mm}$
Hardness (Shore D):	75 ± 5
Internal strength:	≥ 1.8 MPa

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 ± 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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