

# Laminates

## DELLIT PF CP 201

- **High Pressure Laminate with good mechanical properties for normal electrical stresses**
- **Standardtype**

### General description

Dellit PF CP 201 is a paper laminate bonded with phenolic resin.

### Specifications

IEC/DIN EN 60893	PF CP 201
DIN 7735	HP 2061 (*)
BS 2572	P1
NFC 26-150	P
NEMA LI-1	X / XP
VSM	S-PF CP 1

(\*) no longer valid since March 2003

### RoHS Directive

Hazardous products listed in the EU-directive 2011/65/EU (ROHS-directive), §4 section 1, are not used as ingredients in this material.

### Colour

Brown or black

### Application

Electrical insulation  
Electrical insulation at low voltage  
Punched parts  
Drilling templates  
Assembly plates

### Former denominations

HP HW  
Pertinax 61.130 / 61.140  
Dellit 400.05

### Form of delivery

Sheet formats 2400 x 1220 +0/-10 mm and 2050 x 1050 +/- 20 mm  
Thickness in range of 0,5 to 120 mm  
Thickness tolerances acc. to DIN EN 60893-3-4

Material also available as cut to size panels and machined parts.  
Other dimensions and thicknesses on request.

### Processing

Machining with carbide tools.

	Value	Test norm
<b>Mechanical properties</b>		
Flexural strength	MPa 150	ISO 178
Modulus of elasticity	MPa 8000	ISO 178
<b>Electrical properties</b>		
Insulation resistance after the immersion in water	Ω 1.00E+7	IEC 60167
<b>Thermal properties</b>		
Temperature index (TI)	°C 120	IEC 60216
Coefficient of linear expansion //	1.0E-6 / K 20	VDE 0304
Thermal conductivity	W/m.K 0.2	DIN 52612
<b>Physical properties</b>		
Density	g/cm³ 1.39	ISO 1183
Water absorption 24h at 23°C (10mm thick)	mg / % 100 / 0.9	ISO 62
<b>Other properties</b>		
Punchable up to 2 mm thickness at 23°C	2.5	DIN 53488

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