

CONTAVAL® 2576 GP

Composition:

CONTAVAL® 2576 GP is a laminate consisting of E-glass cloth, graphite and epoxy-resin.

Properties:

CONTAVAL® 2576 GP has excellent mechanical properties even at high temperature and shows conductivity parallel and perpendicular to the layers as necessary for ESD application. The special epoxy resin used as well as the smooth unsanded surface result in high chemical and temperature resistance.

Application:

CONTAVAL® 2576 GP is used as soldering bath carriers for printed circuits, when sensitive components ask for ESD working conditions.

Sheet sizes: 2140 x 1240 mm

1070 x 1240 mm

Sheet size tolerances: +10/-0 mm

Thickness: 2 – 30 mm

Thickness mm	Thickness tolerances mm
2 - 3	±0,25
4	±0,30
5	±0,35
6	±0,40
8	±0,50
10	±0,55
12	±0,60
14	±0,65
20	±0,85
25	±1,05
30	±1,20

Machining:

CONTAVAL® 2576 GP can be easily cut and machined with diamond tipped tools and high speed machinery.

Technical Data

Properties	Test method	Unit	Value
Density	DIN 53479	g/cm ³	1,7 - 1,9
Flexural strength perpendicular to the layers: 23°C / 150°C / 180°C	DIN 53452	MPa	≥ 380 / ≥ 190 / ≥ 140
Surface resistance	IEC 93	Ω/square	10 ⁵ – 10 ⁷
Thermal conductivity	DIN 52612	W/mK	0,3
Linear coefficient of expansion (parallel)	VDE 0304/2	1/K	1,3·10 ⁻⁵
Thermal classification	IEC 216		180°C (H)
Short term temperature exposure			280° C