

CONTAVAL[®] 2576 GP

Composition

CONTAVAL[®] 2576 GP is a post cured laminate consisting of E-glass fabric, graphite and epoxy-resin.

Application

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

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 used epoxy resin and the smooth unsanded surface give high chemical and temperature resistance.

According to VDE 0472/ part 813 the conflagration gases of CONTAVAL[®] 2576 GP are non-corrosive.

Availability

Thickness: 2 - 30 mm

Standard sheet size: 2140 +10/-0 mm x 1240 +10/-0 mm (up to 30 mm thickness)
2800 +10/-0 mm x 1240 +10/-0 mm (up to 30 mm thickness)

Thickness, mm	Thickness tolerance, mm
2	±0,15
3	±0,25
4	±0,30
5	±0,35
6	±0,40
8	±0,50
10	±0,55
12	±0,60
14	±0,65
25	±1,00
30	±1,20

Colour: black

Machined parts and cuttings, other sheet sizes and thicknesses are also available upon request.

Machining Recommendation

CONTAVAL[®] 2576 GP can be easily cut with hammer shears or punching machines (up to 1 mm). For thicker laminates we advise to use diamond tipped tools and high speed machinery.

All information given here is based on currently available facts and on the results of experiments performed with all due care in our laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications.

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TECHNICAL DATA

Properties	Norm	Unit	Value
Density	DIN 53479	g/cm ³	1,7-1,9
Flexural strength at 23°C	DIN 53452	MPa	≥380
Flexural strength at 150°C	DIN 53452	MPa	≥190
Flexural strength at 180°C	DIN 53452	MPa	≥140
Surface resistivity	IEC 6093	Ω/square	10 ⁴ -10 ⁹
Thermal conductivity	DIN 52612	W/mK	0,3
Linear coefficient of expansion (parallel)	VDE 0304/2	1/K	1,3x10 ⁻⁵
Thermal classification			180°C (H)
Short term temperature exposure	IEC 60216		280°C

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