

## CONTAVAL® 2017

### Description:

It is a laminate consisting of E-glass cloth, graphite and epoxy-resin and is used e. g. as a conductive slot filler in machines and also as soldering bath carriers for printed circuits.

### Properties:

CONTAVAL® 2017 has excellent mechanical properties and shows conductivity parallel and perpendicular to the layers as well as high chemical and temperature resistance.

### Application:

CONTAVAL® 2017 is used e. g. as a conductive slot filler in high voltage machines and also as soldering bath carriers for printed circuits, when sensitive components have to be protected against static charges.

### Materials:

CONTAVAL® 2017 is a laminate consisting of E-glass cloth, graphite and epoxy-resin.

### Formats:

#### Sheets approx:

Thickness 0.2 - 1.0mm:	2000 x 1070 mm
	1000 x 1070 mm
	1070 x 500 mm
Thickness > 1.0mm:	2000 x 1050 mm
	1000 x 1050 mm
	1050 x 500 mm

Tolerances: Thickness 0.2 - 0.4mm:  $\pm 0.05$ mm  
Thickness 0.5 - 20.0 mm: acc. DIN 40606; HGW 2372.4

### Storability:

CONTAVAL 2017 can be stored unlimited under normal conditions (20° C. 50% r. H.).

### Machining:

CONTAVAL® 2017 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.

Technical Data

<b>CONTAVAL® 2017</b>			
<b>Properties</b>	<b>Test method</b>	<b>Unit</b>	<b>Value</b>
Nominal thickness		mm	0.2 to 20
Density	DIN 53479	g/cm <sup>3</sup>	1.7 - 1.9
Glass content		%	≥ 50
Flexural strength perpendicular to the layers: 20°C / 150°C	DIN 53452	N/mm <sup>2</sup>	≥ 380 / ≥ 190
Surface resistance	IEC 93	kOhm/square	0.5 - 50
Spec. volume resistance	IEC 93	kOhm cm	0.5 - 20