

## 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<sup>®</sup> 2017 has excellent mechanical properties and shows conductivity parallel and perpendicular to the layers as well as high chemical and temperature resistance.

Application:

CONTAVAL<sup>®</sup> 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<sup>®</sup> 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: ± 0.05mm 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<sup>®</sup> 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.

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## **Technical Data**

CONTAVAL <sup>®</sup> 2017			
Properties	Test method	Unit	Value
Nominal thickness		mm	0.2 to 20
Density	DIN 53479	g/cm³	1.7 - 1.9
Glass content		%	≥ 50
Flexural strength perpendicular to the layers: 20°C / 150°C	DIN 53452	N/mm²	≥ 380 / ≥ 190
Surface resistance	IEC 93	kOhm/square	0.5 - 50
Spec. volume resistance	IEC 93	kOhm cm	0.5 - 20

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