

## Description

BETRONIC FC is a kind of specific composite material which is made by fiberglass reinforcement and thermosetting resin resin.

**Reinforcement:** Thermosetting resin, electronic fiberglass reinforced plastic.

## Application

BETRONIC FC is applicable to wave and reflow solder pallet, selective soldering, electronic components automatic cartridge, SMT surface mount technology and online testing jig.

## Availability

Thickness: 3 mm ~ 50 mm.

Dimension: 1020 x 1220 mm, 1220 x 2440 mm.

**Color:** Black.

## Specification Data Sheet

Properties/Items	Unit	BETRONIC FC42
Grade	N/A	Thermal ESD
Color	N/A	Black
Density	g/cm <sup>3</sup>	2.0
Water Absorption	%	0.1
Flexural strength	MPA(23°C)	450
Flexural strength	MPA(150°C)	250
Coefficient of linear expansion	10 <sup>-6</sup> /K	10
Thermal conductivity	W/(m°K)	0.38
Maximum working temperature	°C	350
Continuous working temperature	°C	300
Specific surface resistance	Ω	10 <sup>5</sup> ~ 10 <sup>9</sup>
Thickness tolerance	mm	-0.1 ~ +0.1
Flatness tolerance (300 x 300mm)	mm	0.2
Chemical resistance	N/A	Excellent

All information on the results of experiments performed with all due care in the 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.

RoHS Declaration: This material does not contain any substances of very high concern as listed in the EU directive 2011/65/EU, article 4, paragraph 1.