

# CF-250 (Conformable sheet)

## Product description

CF-250 is a conformable sheet, which will be used for manufacture flexible and rigid-flex printed circuit boards. CF-250 consists of three layers. The core is made of a thermoplastic core, which is covered with a release film on both sides. At a certain temperature the thermoplastic core starts to soften. Then the product covers any contour (e.g. circuitry) and guarantees a homogeneous pressure distribution.



## Application

CF-250 is used in the PCB manufacturing process for balancing differences of level, which leads to a homogeneous pressure distribution. Some examples:

- laminating of overlays on flexible circuits
- manufacture of flexible multilayers with bond plies
- manufacture of rigid-flex printed circuit boards with standard and low flow prepreg

Suitable for press cycles with and without vacuum

Good control of resin flow

The release film at the outside guarantees good release properties and protects sensitive surfaces against foreign particles

Compatible with kraft paper, press pads, steel plates, copper foil, PI films...

Good handling properties

## Process parameter (hydraulic press)

Temperature: up to 180-190 °C

Pressure: 100-300 N/cm<sup>2</sup> (10-30 bar)

## Material properties

Thickness:	250 µm (core 200 µm)
Density:	1.3 g/cm <sup>3</sup> (core)
Melting point:	125 °C (core)
Dimension stability:	200 ppm/°C (core)
Softening temp. (Vicat):	around 85 °C (core)
Color:	colorless, mat

## Storage & handling

Temperature: 15 – 25 °C

Humidity: 45 – 65 rh%

Storage: flat in original package until usage.

## Availability

Thickness: 250 µm

Rolls: rolls available

Sheets: size and punching according customer specification

The typical values are based on data from production and from sample measurements in the lab. This data should be considered as general information. It is the responsibility of the user to ensure that the product complies with his requirements.

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