

VETRONIT FR4

TECHNICAL DATA SHEET
Rev.02 - 16/05/2015



DESCRIPTION:

Multi-layered rigid material made from a glass fibre soaked in a special epoxy resin.

APPLICATIONS:

Printed circuit boards, transformers,
general electrical insulation.

TECHNICAL SPECIFICATIONS:

Density	1.86	g/cm ³
In Accordance with Norm	FR4	HGW 2372.1
Flexural Strength \perp to Layers	540	N/mm ²
Compressive Strength	490	N/mm ²
Tensile Strength	330	N/mm ²
Linear Expansion Coefficient	15	10 ⁻⁶ (1/K)
Thermal Conductivity	0.30	W/mK
Maximum continuous service temp.	130	°C
Insulation Class	F	
Comparative Tracking Index	250	CTI
Surface Resistivity at high temperatures	10 ⁸	MΩ
Tg δ at 1 MHz	0.020	
Relative Permittivity at 1MHz ϵ	4.50	