

CHAPA TVE - FIBERGLASS
Classe B – 130°C
Description: G10/FR4 fiberglass epoxy resin sheet

Nº	Properties	Units	Request	Test Results	Test Method
1	The bending strength of the vertical layer	Mpa	≥340	511	GB/T13 03.4-20 09
			≥340	590	
2	Flexural modulus	kJ/m ²	≥33	57.8	
			≥33	83.3	
3	Vertical layer to the electrical strength (90°C ±2°C, 25# in Transformer oil, 20s step-by-step boost)	Kv/mm	≥10.2	16	
4	Parallel to the breakdown voltage (90°C ±2°C, 25# in Transformer oil, 20s step-by-step boost)	kv	≥35	51	
5	Relative permittivity (1MHz)	--	≤5.5	4.92	
6	Dielectric dissipation factor (1MHz)	--	≤0.04	0.017	
7	Insulation resistance after immersion in water	M Ω	≥5.0 X 10 ⁴	7.1 X 10 ⁵	
			≥5.0 X 10 ⁴	5 X 10 ⁵	
8	Water absorption	mg	≤23	8.1	
9	Flammability (Vertical method)	grade	V-0	V-0	GB/T13
10	Adhesive strength	N	≥6500	9834	03.6-20 09

Note:

- Nº 3 "Vertical layer to the electrical strength", the thickness of the experiment is 3.94~4.04mm.
- Nº 8 "Water absorption", Size of the experiment is 50mm X 50mm X (3.9~4.0mm).

CÓPIA NÃO CONTROLADA – SUJEITO A ALTERAÇÃO