



ZTELEC GROUP
Powered Green & Reliability

IEC60893 NEMA	EPGC202 FR4	
Basic Material	Electronic grade glass fiber cloth	
Resin	Heat - resistant epoxy resin	
Color	Natural/Green	
Test Item	Value	Unit
Density	1.8~1.95	g/m³
Vertical Layer Bending Strength	≥340	Mpa
Parallel Layer Impact Strength (simply supported beam method)	≥38	kJ/m ²
Vertical layer electrical strength (90°C transformer oil) (1 mm thickness)	≥14.2	Kv/mm
Parallel Layer Breakdown Voltage (90°C transformer oil)	≥35	kV
Dielectric Constant	≤5.5	50Hz
Dielectric Loss Factor	≤0.04	50Hz
Insulation resistance after immersion	≥5.0*10 ¹⁰	Ω
Proof tracking index(PTI)	-	-
Combustibility	V-0	-
Temperature Index	130	-
Water absorptionCD(1-20mm thickness)	17~73	mg