

Phenolic Cotton Cloth Laminated Sheet (- IEC Starndard)

Properties	Unit		Grade			
			PFCC201	PFCC202	PFCC203	PFCC204
Flexural strength perpendicular to laminations	≥	MPa	100	90	110	100
Impact strength parallel to laminations (Charpy)	≥	KJ/m ²	8.8	7.8	7	6
Insulation resistance after immersion in water(D-24/23)	≥	Ω	1×10 ⁶	5×10 ⁷	1×10 ⁶	5×10 ⁷
Dielectric strength perpendicular to laminations (in 90±2°C transformer oil, 1mm in thickness)	≥	MV/m	0.82	5.1	0.82	6.3
Breakdown voltage parallel to laminations (in 90±2°C transformer oil)	≥	KV	1	20	1	20
Permittivity (50Hz)	≤	-	-	5.5	-	5.5
Density		g/cm ³	(1.30-1.40)	(1.30-1.40)	(1.30-1.40)	(1.30-1.40)
Water absorption (D-24/23, 1.6mm in thickness)	≤	mg	220	145	220	145
Color		-	Natural			
Reference standard		-	IEC893-1993			

Characteristics & Applications: 1. PFCC201: Mechanical applications(coarse weave) but with poor electrical properties2. PFCC202: Mechanical and electrical applications(coarse weave) but with poor electrical properties3. PFCC203: Mechanical applications(fine weave) but with poor electrical properties4. PFCC204: Mechanical and electrical applications(fine weave) but with poor electrical properties. Recommended for small parts.Notes: If there is any modification in the technical sheets, special notice will not be given; technical data shall be subject to Sales Confirmation