

TECHNICAL DATA

SRBF F2 GRADE PF CC 201 - Phenolic Cotton Fabric Laminates

DESCRIPTION

Medium weave phenolic cotton fabric laminate. Good general purpose laminate, easy to machine.

APPLICATIONS

- Low voltage insulation
- Coil formers & bobbins
- Ball race cages
- Jigs & fixtures
- Piston rings
- Rolling mill bearings
- Motor slot wedging
- Precision machined parts
- Cams & cam followers
- Cryogenic components
- Punched components
- Compressor rotor blades
- Bots & screws
- Jigs & fixtures
- Conveyer wheels
- Insulating bushes
- Slideways
- Scraper blades
- Gears
- Rollers
- Insulating handles
- Pipeline insulation
- Pulleys & sheaves
- Welding jigs

TECHNICAL DATA

PHYSICAL PROPERTIES	
Specification	BS EN 60893-3-4-PF CC 201 (Formally BS 2572 F2) NEMA C (Closest)
Body colour	Sandy brown
Cover colour	Sandy brown
Standard finish	Satin/glossy
Standard thicknesses	0.80 - 150mm (Others on request)
Standard sheet size	1220mm x 1220mm (Others on request)
Density	1.35 g/cm ³
Water absorption	85 mg
ELECTRICAL PROPERTIES	
IR, 24 hours water immersed	2 GΩ
Electric strength, flat rapid	3 MV/m
Electric strength, flat step by step	2 MV/m
Breakdown voltage, edge step by step	12 kV
Tracking index	110 V
MECHANICAL PROPERTIES	
Flexural strength	120 Mpa
Tensile strength	80 Mpa
Impact, notched CHARPY	10 kJ/m ²
THERMAL PROPERTIES	
Thermal rating continuous	115°C
Thermal rating intermittent	125°C

* Tests carried out on 3mm thick specimens unless otherwise stated.

* Colour variation is normal on industrial laminates, and some resins will darken with age with no detriment to the material properties.

MACHINING

SRBF can be machined to customer requirements.

TUBES & RODS

SRBF is available in various grades in tube and rod format.

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