

TECHNICAL DATA

SRBP P2/PF CP 203

Synthetic Resin Bonded Paper

DESCRIPTION

Medium grade phenolic paper laminate, with improved electrical properties.

APPLICATIONS

- High voltage insulation in oil
- Pipeline insulation
- Terminal boards & tag strips
- Coil formers & bobbins
- Jigs & fixtures
- Precision machined parts



PHYSICAL PROPERTIES

Specification (BS/IEC)	BS EN 60893-3-4-PF CP 201 (supersedes BS 2572 P2) NEMA XX (Closest)
Body colour	Dark brown
Cover colour	Dark brown
Standard finish	Satin/glossy
Standard thicknesses	0.80 - 75mm (Others on request)
Standard sheet size	1220mm x 1220mm (Others on request)
Density	1.35 g/cm ³
Water absorption	75 mg
Flammability category	FH1 <i>This test method is used solely to monitor & control production. Under no circumstances should the results be considered in relation to fire hazards under actual conditions of use</i>

ELECTRICAL PROPERTIES

IR, 24 hours water immersed	1.5 GΩ
IR, dry	1.5 GΩ
Electric strength, flat rapid	5.1 MV/m
Relative permittivity @ 1 MHz	5.2
Dissipation factor @ 1 MHz	0.04
Breakdown voltage, edge step by step	21 kV
Tracking index	110 V

MECHANICAL PROPERTIES

Flexural strength	170 Mpa
Tensile strength	105 Mpa
Impact, notched CHARPY	4 kJ/m ²

THERMAL PROPERTIES

Thermal rating continuous	105°C (Class A)
Thermal rating intermittent	120°C (Class E)

* 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

SRBP can be machined to customer requirements.

TUBES & RODS

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

Statements, technical information and recommendations contained herein are based on tests we believe to be reliable but they are not to be construed in any manner as warranties expressed or implied. The user shall determine the suitability of the product for their intended use and the user assumes all risk and liability whatsoever in connection therewith.