

**TECHNICAL DATA**

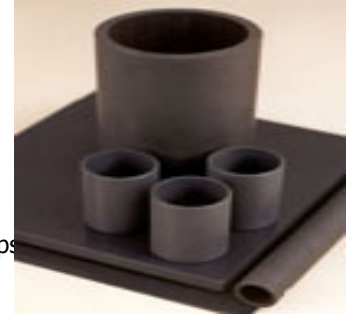
**SRBP P3/PF CP 206**  
**Synthetic Resin Bonded Paper**

**DESCRIPTION**

High grade phenolic paper laminate, with high electrical properties & Insulation resistance.

**APPLICATIONS**

- High voltage insulation in oil
- MOD parts
- Switch gear
- Bus bar supports
- Terminal boards & tag strips
- Precision machined parts



**PHYSICAL PROPERTIES**

Specification (BS/IEC)	BS EN 60893-3-4-PF CP 206 (supersedes BS 2572 P3) NEMA XXX (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	1.37 g/cm <sup>3</sup>
Water absorption	70 mg
Flammability category	FH1 <i>This test method is used solely to monitor &amp; 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	6 GΩ
Electric strength, flat rapid	14 MV/m
Relative permittivity @ 1 MHz	5
Dissipation factor @ 1 MHz	0.035
Breakdown voltage, edge step by step	60 kV
Tracking index	110 V

**MECHANICAL PROPERTIES**

Flexural strength	190 Mpa
Tensile strength	100 Mpa
Impact, notched CHARPY	4 kJ/m <sup>2</sup>

**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.