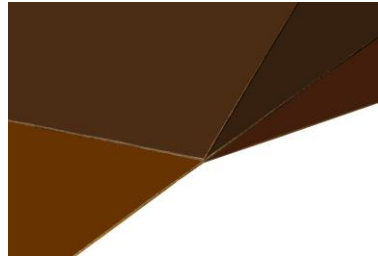


Synthetic Resin Bonded Paper (SRBP) P1

ABOUT THIS PRODUCT

This is a low cost, commercial P1 paper based laminate with excellent mechanical properties and is ideal for use in low voltage insulation.



FEATURES AND BENEFITS

- Excellent mechanical properties
- Suitable for warm punching up to 3.2mm
- Tough light weight material
- Good insulation properties
- Low water absorption
- Rigid
- Ideal machining material

APPLICATIONS

- Terminal boards
- Mounting plates
- Busbar support
- Cable support
- Insulation of sleeves and buses
- LV transformers
- Electrical switch gear

MATERIAL DATA

Product Code	502
Material	Phenolic based paper laminate
Standard Colour	Natural Brown
Operating Temperature – °C	90
Dielectric Strength – kV/mm	See technical specification
Tensile Strength – kg/cm ²	1050
Relevant Specification	BS:2572:Grade P1; EN 60893-3-4-PFCE201. DIN 7735 Grade HP 2061. NEMA: L1 I 1989 Grade X

TECHNICAL TABLE

Properties	Average Test Results	Value As Per: 2036 – 1995
Mechanical		
Tensile Strength – Kg/cm ²	1050	--
Flexural Strength/Cross Breaking strength – Kg/cm ²	1450	1300 Min
Shear Strength – Kg/cm ²	900	750 Min.
Impact Strength (Edgewise) (Charpy method) – KJ/m ²	6.2	--
Specific Gravity	1.38	--
Electrical		
Insulation Resistance after immersion in water for 24hrs. at 20°C – Meg Ohms	25	1
Electrical Strength in Oil at 90°C		
Flat wise (3.0 mm Thickness) – kV/mm	3	--
Edgewise (5.0 mm Thickness) – kV	5	--