



Gala Barrier Board (GBBS) sheets are Non-shrinkable sheets designed to secure and insulate the underside of structures where there are reduced clearance. Also GBBS sheet acts as inter-phase barrier for switchgear applications. It can be easily fabricated into a shape.

The use of GBBS sheets allows switchgear cabinets to be protected against inter-phase flash-overs caused by contaminants, moisture and animals.

These extremely durable sheets are damage resistant to mechanical impact are general wear and tear usage. Machining properties allow sheets to be cut and drilled for mounting without the need of special equipments. The GBBS sheets withstands power-arcs without changing its shape. The high temperature resistant material can be wiped clean after power-arc events resulting in no visible effects of surface damages.

### Features & Benefits :

- Made from High Quality Polyolefin material
- High Di-electric strength
- Excellent UV stabilized & Weather resistant
- Tracking & Erosion resistant
- Resistant to Chemical, Solvents, alkali, salt etc.
- Halogen free
- Suitable for both Indoor and Outdoor applications.

### Selection Chart :

Sr. No.	Product Code	Width (mm)	Length (Mtr.)	Thickness (mm)
1.	GBBS-2	670 mm	15	2.0
2.	GBBS-3	670 mm	15	3.0
3.	GBBS-5	670 mm	15	5.0
4.	GBBS-3A	970 mm	15	3.0
5.	GBBS-5A	970 mm	15	5.0

### Technical Specification\*

PROPERTY	VALUE	TEST METHOD
Tensile Strength	10 N/mm <sup>2</sup> (Mpa) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Density	1.20 ± 0.2 gm/cm <sup>3</sup>	ASTM D792
Hardness	40 ±5 Shore D	ASTM D2240
Water absorption	0.5 % (max.)	ASTM D570
Accelerated ageing	(90°C for 7 Days)	ASTM D2671
a. Tensile Strength	± 25% Variation	ASTM D638
b. Ultimate Elongation	± 25% Variation	ASTM D638
Low Temperature Flexibility	No Cracking	ASTM D2671
(-40°C for 4 hrs.)		
Continuous Temperature Limit	-45 to +105°C	IEC 216
Dielectric Strength	20 kV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10 <sup>14</sup> Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150
Resistant to Tracking & Erosion	No Tracking, Erosion or Flame failure up to 3.25 kV for 20 min.	ASTM D2303

\* The above mentioned values are typical analytical values obtained on material when tested as per applicable standards under controlled laboratory conditions and should not be construed as specifications for the product.

