



## Epoxy Glass T884

### GENERAL INFORMATION:

Manufactured from woven glass cloth and impregnated with epoxy resin it is laminated at elevated pressures and temperatures. The product displays excellent electrical and mechanical properties from cryogenic(-50°C) to elevated temperatures.

### APPLICATIONS:

The material has high mechanical properties at room temperature and semi-conductive performance. Used for electronic industry.

### TYPICAL PROPERTIES:

| Electrical& Mechanical   |                        | Values                        |
|--|------------------------|-------------------------------|
| Impact Strength parallel to laminations(charpy)                            | Normal Conditions      | 33MPa                         |
| Flexural Strength  | Normal Conditions      | 340MPa                        |
| Insulation resistance after immersion in water                             | D-24/23                | $\geq 5.0 \times 10^8 \Omega$ |
| Surface resistance   | $\Omega$               | 1000--100000                  |
| Breakdown voltage parallel to laminations.<br>(In transformer oil @90±2°C) |                        |                               |
| Permittivity(48-62Hz)  |                        |                               |
| Permittivity(1MHz)   |                        |                               |
| Dissipation factor(48-62Hz)  |                        |                               |
| Dissipation factor(1MHz)   |                        |                               |
| Water Absorption   | D-24/23<br>1.6mm thick | 19mg                          |
| Density  |                        | 1.70-1.90mg                   |
| Flammability   | Class                  |                               |
| Physical   |                        |                               |
| Colour   |                        | black                         |
| Standard Thickness   |                        | 0.2mm-150mm                   |
| Sheet Size   |                        | 1220×1020mm                   |