

Date Generated: Monday 23rd of February 2026**B36 Product Data Sheet****BSEN60893-3-2-EPGC203 B36 Epoxy Glass Laminate SRBG****Material Details**

| | |
|------------------------|--|
| Grade: | B36 |
| Description: | Epoxy Glass. Superior epoxy glass laminate |
| Comments: | A high strength Class F rigid insulation with many uses ranging from slot wedges in small motors to major components in turbo-alternators and electronic applications. B36 has excellent electrical and mechanical properties, good dimensional stability and machines well. |
| Specifications: | BSEN60893-3-2-EPGC203 (Which supersedes BS3953 EP5). The closest NEMA equivalent to this specification is NEMA G11 |
| Body Colour: | Pale Green |
| Cover Colour: | Pale Green |
| Finish: | Satin/Glossy |
| Size: | 1220 x 1220 Thickness Range: 0.4 - 100.0 |

Typical Applications

- Bolt Insulation
- Cryogenic Resistance Components
- Electromechanical Components
- High Temperature Components
- Insulating Bushes Spacers Sleeves
- Jigs and Fixtures
- Mechanical Applications
- PCB Electronics Assembly
- Phase Barriers
- Pipeline Insulation
- Precision Machined Parts
- Slot Wedges

- Terminal Boards and Tag Strips

General Properties

| Property | Unit of measure | Typical Value |
|------------------|-------------------|---------------|
| Density | g/cm ³ | 1.9 |
| Water Absorption | mg | 10 |

¥ Where relevant, the flammability test method is used solely to control and monitor consistency of production. Under no conditions should the results be considered in relation to fire hazards under actual conditions of use.

Electrical Properties

| Property | Unit of measure | Typical Value |
|---------------------------------------|-----------------|---------------|
| IR (24hrs Water Immersed) | G Ω | 30000 |
| Electric Strength (Flat Rapid) | kV/mm | 17 |
| Breakdown Voltage (Edge Step by Step) | kV | 82 |
| Relative Permittivity @ 1 MHz | -- | 4.8 |
| Dissipation Factor @ 1 MHz | -- | 0.02 |
| Tracking Index | V | 220 |

Mechanical Properties

| Property | Unit of measure | Typical Value |
|----------------------------|-------------------|---------------|
| Flexural Strength | MPa | 460 |
| Flexural Strength at 150°C | MPa | 290 |
| Impact (Notched CHARPY) | kJ/m ² | 90 |

Thermal Properties

| Property | Unit of measure | Typical Value |
|----------|-----------------|---------------|
|----------|-----------------|---------------|

| | | |
|-----------------------------|----|-----|
| Thermal Rating Continuous | °C | 155 |
| Thermal Rating Intermittent | °C | 165 |

Disclaimer: The above values are based upon routine test data and do not form the basis of a supply contract. These products may be used in a diverse range of applications and whilst every effort is made to ensure the information in this data sheet is accurate, it must be stressed that it is the user's responsibility to ensure suitability for the intended end use.

Source: <https://www.attwater.com/products/b36/>