

Technical Data Sheet

Glastic® SG-200 Corner Angles

Typical characteristics

- Extremadamente fuerte, excelente retención de propiedades a temperatura elevada, fácil de fabricar.
- Dimensionalmente estable

Typical industries

- Generadores y motores
- Transformadores en seco
- Sector eléctrico
- Componentes de aislamiento eléctrico
- Sistemas de conmutación
- Transformadores

| | Test method | Unit | Guideline value |
|------------------------------------|-------------|-----------------------|-----------------|
| General properties | | | |
| Standard Color | | | Tan |
| UL Temperature Index - Electrical | UL 746B | °C | 210 |
| UL Temperature Index - Mechanical | UL 746B | °C | 210 |
| Mechanical properties | | | |
| Flexural Strength | ASTM D 790 | psi | 80,000 |
| Tensile Strength | ASTM D 638 | psi | 70,000 |
| Tensile Modulus | ASTM D 638 | psi X 10 ⁶ | 3 |
| IZOD Impact Strength (notched) | ASTM D 256 | ft. lb./in. | 40 |
| In-Plane Shear Strength | ASTM D 3914 | psi | 3,000 |
| Compressive Strength - Axial | ASTM D 695 | psi | 50,000 |
| Compressive Strength - Transverse | ASTM D 695 | psi | 14,000 |
| Thermal properties | | | |
| Coefficient of Thermal Expansion | ASTM D 696 | (in./in.°C) x 10-5 | 0.7 |
| Thermal Conductivity | ASTM C 177 | | 2 |
| Flame resistance properties | | | |
| UL Subject 94 | UL 94 | | HB |
| Physical properties | | | |
| Specific Gravity | ASTM D 792 | | 1.85 |
| Water Absorption | ASTM D 570 | % | 0.15 |



| | Test method | Unit | Guideline value |
|------------------------------------|-------------|-------------------------|-----------------|
| Dielectrical properties | | | |
| Arc Resistance | ASTM D 495 | sec. | 150 |
| Permittivity, 60 Hz | ASTM D 150 | | 5 |
| Insulation Resistance | ASTM D 257 | $\Omega \times 10^{12}$ | 64 |
| Electrical Strength - Axial in Oil | | kV | 70 |

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