

Technisches Datenblatt

Glastic® FHT

Typische Eigenschaften

- Highly Flexible
- Excellent Dielectric Strength
- High Heat Resistance

Typische Industrien

- Generatoren und Motoren
- Trockentransformatoren
- Elektroindustrie
- Elektrische Isolierbauteile
- Schaltanlagen
- Transformatoren

| | Testverfahren | Einheit | Wert |
|------------------------------------|---------------|--------------------------------|---------------------------|
| Allgemeine Eigenschaften | | | |
| Part Number | | | 1800 |
| Standard Color | | | Natural/Cream |
| UL Temperature Index - Electrical | UL 746B | °C | 190 (1/32"), 200 (1/16") |
| UL Temperature Index - Mechanical | UL 746B | °C | 190 (1/32"), 200 (1/16") |
| UL Recognition File Number | | | E81928 |
| Mechanische Eigenschaften | | | |
| Compressive Strength | ASTM D 695 | psi | 14,000 |
| Tensile Strength | ASTM D 638 | psi | 10,500 |
| IZOD Impact Strength (notched) | ASTM D 256 | ft. lb./in. | 10 |
| Thermische Eigenschaften | | | |
| Coefficient of Thermal Expansion | ASTM D 696 | (in./in.°C) x 10 ⁻⁵ | 2 |
| Wärmeleitfähigkeit | ASTM C 177 | | 1.7 |
| Flamm Eigenschaften | | | |
| UL Subject 94 | UL 94 | | HB |
| UL Hot Wire Ignition | UL 746A | sec. | 49 (0.028"), 102 (0.058") |
| UL High Amp Ignition | UL 746A | | 200+ |
| Oxygen Index | ASTM D 2863 | %O ₂ | 21.8 |
| Physikalische Eigenschaften | | | |
| Water Absorption | ASTM D 570 | % by wt. | 1.1 |



| | Testverfahren | Einheit | Wert |
|--|---------------|---------|-------|
| Specific Gravity | ASTM D 792 | | 1.6 |
| Dielektrische Eigenschaften | | | |
| Electrical Strength - Perpendicular S/T in Air | ASTM D 149 | Vpm | 450 |
| Electrical Strength - Perpendicular S/T in Oil | ASTM D 149 | Vpm | 570 |
| Electrical Strength - Parallel S/S in Oil | ASTM D 149 | kV | 60 |
| Arc Resistance | ASTM D 495 | sec. | 139 |
| IEC Track Resistance (CTI) | UL 746A | V | 500+ |
| Permittivity, 60 Hz | ASTM D 150 | | 6.4 |
| Dissipation Factor, 60 Hz | ASTM D 150 | | 0.07 |
| Dissipation Factor, MHz | ASTM D 150 | | 0.033 |
| Permittivity, MHz | ASTM D 150 | | 4.2 |

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