

Preliminary Datasheet

GLF AGF50 NAT



GLF AGF50 NAT is a 50% glass reinforced, heat stabilized grade.

在23°C下的典型值 Typical values at 23°C

|                                                                                                              | 单位<br>Unit | 测试标准<br>Test method | 代表值<br>Values |
|--------------------------------------------------------------------------------------------------------------|------------|---------------------|---------------|
| 产品特性 Product features                                                                                        |            |                     |               |
| 密度 Density                                                                                                   | g/cm³      | ISO 1183            | 1.57          |
| 阻燃型 (F), 抗冲击型 (P) Flame retardant (F), Impact modifier (P)                                                   | —          | —                   |               |
| 颜色: 自然色 (n), 已着色 (c), 黑色 (bk), 特色色 (sp)<br>Colors: natural (n), colored (c), black (bk), special colors (sp) | —          | —                   | n             |
| 成型加工 Processing methods                                                                                      |            |                     |               |
| 注塑成型 (M), 挤出成型 (E) Injection molding (M), Extrusion (E)                                                      | —          | —                   | M             |
| 熔点 Melting Temperature                                                                                       | °C         | ISO 11357           | 262           |
| 加工温度范围 Processing temperature (melt)                                                                         | °C         | —                   | 280-300       |
| 模具温度范围 Mold temperature range                                                                                | °C         | —                   | 50-90         |
| 收缩率, 正常 Moulding shrinkage, normal, 2.0mm                                                                    | %          | ISO 294-4           | 0.80-0.90     |
| 收缩率, 平行 Moulding shrinkage, parallel, 2.0mm                                                                  | %          | ISO 294-4           | 0.20-0.30     |
| 吸水率 Water Absorption-24 hours                                                                                | %          | ISO 62              | 0.65          |
| 机械特性 Mechanical properties                                                                                   |            |                     |               |
| 断裂拉伸强度 Tensile strength at Break                                                                             | MPa        | ISO 527             | 247           |
| 拉伸模量 Tensile Modulus                                                                                         | MPa        | ISO 527             | 16900         |
| 断裂伸长率 Elongation at Break                                                                                    | %          | ISO 527             | 2.4           |
| 弯曲模量 Flexural Modulus                                                                                        | MPa        | ISO 178             | 16700         |
| 弯曲强度 Flexural strength                                                                                       | MPa        | ISO 178             | 350           |
| 简支梁冲击强度 Charpy unnotched impact strength 23°C                                                                | kJ/m²      | ISO 179             | 126           |
| 简支梁缺口冲击强度 Charpy notched impact strength 23°C                                                                | KJ/m²      | ISO 179             | 16            |
| 热性能 Thermal properties                                                                                       |            |                     |               |
| 热变形温度, 1.8 MPa 负荷 (HDT/A) Heat deflection temp. under 1.82 MPa load (HDT/A) °C                               |            | ISO 75              | 255           |
| 热变形温度, 0.45 Mpa 负荷 (HDT/B) Heat deflection temp. under 0.45 MPa load (HDT/B)°C                               |            | ISO 75              | 260           |