# Xencor™ PARA LGF-1050 NT-9

PARA-GLF50 Syensqo

## Product Texts

Electrically Insulating.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|---|---|---|
| **Other Standards[S]** | | | |
| Molding shrinkage, parallel | **0.2** | % | Producer Method |

S: These properties are reported by the producer according standards that are different to our defaults.

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Tensile Modulus | **22000** | MPa | ISO 527 |
| Tensile Strength | **265** | MPa | ISO 527 |
| Strain at break | **1.6** | % | ISO 527 |
| Flexural modulus, 23°C | **21000** | MPa | ISO 178 |
| Flexural strength | **405** | MPa | ISO 178 |
| Charpy impact strength, +23°C | **60** | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | **34** | kJ/m² | ISO 179/1eA |

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Temp. of deflection under load, 1.80 MPa | **255** | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | **260** | °C | ISO 75-1/-2 |

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| Humidity absorption | **1.2** | % | Sim. to ISO 62 |
| Density | **1640** | kg/m³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|---|---|---|
| Pre-drying - Temperature | **120** | °C | - |
| Pre-drying - Time | **4** | h | - |
| Processing humidity | **≤0.08** | % | - |
| Melt temperature | **310** | °C | - |
| Mold temperature | **120 - 140** | °C | - |
| Zone 1 | **280 - 300** | °C | - |
| Zone 2 | **280 - 310** | °C | - |
| Zone 3 | **280 - 310** | °C | - |
| Nozzle temperature | **270 - 310** | °C | - |

## Characteristics

**Processing**
Injection Molding, Compression Molding

**Delivery form**
Pellets, Natural Color

**Special Characteristics**
High impact or impact modified, Heat stabilized or stable to heat

**Features**
Creep Resistance, Fatigue Resistance, High Gloss, Long fiber reinforced, Low Warpage

**Certifications**
RoHS compliant

**Applications**
Aircraft and Aerospace, Automotive, Electrical and Electronical

**Regional Availability**
North America, Europe, Asia Pacific, South and Central America, Near East/Africa