

XEGLASS 21-G65-AE

PA12-GF65

Xenia Srl

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.2 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.4 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---|-----------|-------------------------|-----------------|
| ISO Data | | | |
| Tensile Modulus | 16500 | MPa | ISO 527 |
| Stress at break | 170 | MPa | ISO 527 |
| Strain at break | 3.5 | % | ISO 527 |
| Flexural modulus, 23°C | 14500 | MPa | ISO 178 |
| Flexural strength | 270 | MPa | ISO 178 |
| Izod impact strength, +23°C | 72 | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 18 | kJ/m ² | ISO 180/1A |
| Izod notched impact strength Temperature | 16 -30 | kJ/m ² °C | ISO 180/1A - |

| Thermal properties | Value | Unit | Test Standard |
|--|-------|------|---------------|
| ISO Data | | | |
| Temp. of deflection under load, 8.00 MPa | 140 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 165 | °C | ISO 306 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1660 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 - 100 | °C | - |
| Pre-drying - Time | 6 - 8 | h | - |
| Melt temperature | 240 - 255 | °C | - |
| Mold temperature | 90 | °C | - |

Characteristics**Processing**

Injection Molding

Regional Availability

Europe