

EPLAMID 6 GFR 33 NC Q1D301

PA6-GF33

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| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|---------------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.4 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.7 / * | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 10000 / 6500 | MPa | ISO 527 |
| Stress at break | 185 / 120 | MPa | ISO 527 |
| Strain at break | 2 / 4 | % | ISO 527 |
| Flexural modulus, 23°C | 9200 / 5600 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 17 / 19 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 15 / 17 | kJ/m ² | ISO 180/1A |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 220 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 205 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 215 / * | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 215 / * | °C | ISO 306 |
| Burning behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.6 / * | mm | - |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 1.6 | mm | - |
| Other properties | | | |
| Density | 1380 / - | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Melt temperature | 280 | °C | - |

Characteristics**Processing**

Injection Molding

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Applications

General Purpose

Regional Availability

Europe