

DURANEX® 315NF

PBT-GF15

Polyplastics

| Mechanical properties | Value | Unit | Test Standard |
|----------------------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Strength | 80 | MPa | ISO 527 |
| Strain at break | 2.8 | % | ISO 527 |
| Flexural modulus, 23°C | 6400 | MPa | ISO 178 |
| Flexural strength | 130 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 5 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 207 | °C | ISO 75-1/-2 |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |
| Yellow Card available | yes | - | - |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| Electrical properties | | | |
| ISO Data | | | |
| Electric strength | 19 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 550 | - | IEC 60112 |
| ASTM Data | | | |
| Arc Resistance | 99 | s | ASTM D 495 |
| Other properties | | | |
| Density | 1450 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Mold temperature | 60 | °C | - |
| Zone 1 | 230 | °C | - |
| Zone 2 | 260 | °C | - |
| Zone 3 | 260 | °C | - |
| Injection speed | 67 | mm/s | - |

Characteristics**Processing**

Injection Molding

Certifications

RoHS compliant

Additives

Flame retarding agent

Applications

Electrical and Electronical

Special Characteristics

Flame retardant, Halogen-free, Light stabilized or stable to light, U.V. stabilized or stable to weather

Regional Availability

Asia Pacific