

Factor® PP-LGF20 ES11 1-110 - PP

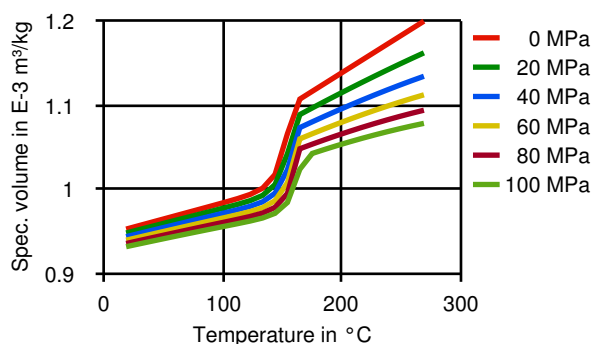
Description

Long glass fiber reinforced Polypropylene, Fiber content: 20%, cutting length: 11mm, color: black. Impact modified. Application: Injection molding

| Physical properties | Value | Unit | Test Standard |
|----------------------------------|-------|-------------------|---------------|
| Density | 1030 | kg/m ³ | ISO 1183 |
| Mechanical properties | Value | Unit | Test Standard |
| Tensile modulus | 5000 | MPa | ISO 527-2/1A |
| Tensile stress at break, 5mm/min | 85 | MPa | ISO 527-2/1A |
| Tensile strain at break, 5mm/min | 2.5 | % | ISO 527-2/1A |
| Charpy impact strength, 23 °C | 50 | kJ/m ² | ISO 179/1eU |

Diagrams

Moldflow Specific volume-temperature (pvT)



Typical injection moulding processing conditions

| Temperature | Value | Unit | Test Standard |
|--------------------------|-----------|------|---------------|
| Feeding zone temperature | 200 - 220 | °C | - |
| Zone1 temperature | 220 - 230 | °C | - |
| Zone2 temperature | 230 - 250 | °C | - |
| Zone3 temperature | 250 - 260 | °C | - |
| Zone4 temperature | 260 - 265 | °C | - |
| Nozzle temperature | 265 - 270 | °C | - |
| Melt temperature | ≤270 | °C | - |
| Mold temperature | 35 - 65 | °C | - |
| Pressure | Value | Unit | Test Standard |
| Back pressure max. | 25 | bar | - |
| Speed | Value | Unit | Test Standard |
| Injection speed | slow | - | - |

Characteristics

| Product Categories | Delivery Form |
|--------------------|---------------|
| Glass reinforced | Pellets |

Processing

Injection molding