

POLIFOR® L20 GF/20

POLIFOR®

Homopolymer Polypropylene. 20% Glass Reinforced.

Product information

| | | |
|----------------------|-----------|-----------|
| Resin Identification | PP-GF20 | ISO 1043 |
| Part Marking Code | >PP-GF20< | ISO 11469 |

Rheological properties

| | | |
|----------------------------------|--------------------------|----------|
| Melt volume-flow rate | 8 cm ³ /10min | ISO 1133 |
| Temperature | 230 °C | |
| Load | 2.16 kg | |
| Melt mass-flow rate | 8 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 °C | |
| Melt mass-flow rate, Load | 2.16 kg | |

Typical mechanical properties

| | | |
|--------------------------------------|----------------------|--------------|
| Tensile modulus | 5200 MPa | ISO 527-1/-2 |
| Tensile stress at break, 5mm/min | 74 MPa | ISO 527-1/-2 |
| Tensile strain at break, 5mm/min | 3.4 % | ISO 527-1/-2 |
| Flexural modulus | 4800 MPa | ISO 178 |
| Flexural strength | 120 MPa | ISO 178 |
| Charpy notched impact strength, 23°C | 12 kJ/m ² | ISO 179/1eA |
| Poisson's ratio | 0.35 ^[C] | |

[C]: Calculated

Physical/Other properties

| | | |
|---------|------------------------|----------|
| Density | 1040 kg/m ³ | ISO 1183 |
|---------|------------------------|----------|