

POLIFOR® CL3 GM/30

POLIFOR®

Polypropylene, copolymer, 30% milled glass fiber reinforced

Product information

| | | |
|----------------------|-----------|-----------|
| Resin Identification | PP-GF30 | ISO 1043 |
| Part Marking Code | >PP-GF30< | ISO 11469 |

Rheological properties

| | | |
|----------------------------------|-------------|----------|
| Melt mass-flow rate | 2.5 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 °C | |
| Melt mass-flow rate, Load | 2.16 kg | |

Typical mechanical properties

| | | |
|--------------------------------------|----------------------|--------------|
| Tensile modulus | 3200 MPa | ISO 527-1/-2 |
| Tensile stress at yield, 50mm/min | 25 MPa | ISO 527-1/-2 |
| Flexural modulus | 3000 MPa | ISO 178 |
| Flexural strength | 42 MPa | ISO 178 |
| Charpy impact strength, 23°C | 36 kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, 23°C | 6 kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, 23°C | 6 kJ/m ² | ISO 180/1A |
| Poisson's ratio | 0.37 ^[C] | |

[C]: Calculated

Thermal properties

| | | |
|---|-------|---------|
| Vicat softening temperature, 50°C/h 50N | 80 °C | ISO 306 |
|---|-------|---------|

Flammability

| | | |
|--------------------------------------|----------|-----------------|
| Burning Behav. at 1.5mm nom. thickn. | HB class | IEC 60695-11-10 |
| Burning Behav. at thickness h | HB class | IEC 60695-11-10 |
| Thickness tested | 3.2 mm | IEC 60695-11-10 |

Physical/Other properties

| | | |
|---------|------------------------|----------|
| Density | 1120 kg/m ³ | ISO 1183 |
|---------|------------------------|----------|

Injection

| | |
|---------------------------------|---------|
| Drying Temperature | 100 °C |
| Drying Time, Dehumidified Dryer | 2 - 3 h |

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