

# POLIFOR® CL3 GF/30

Polypropylene, copolymer, 30% glass fiber reinforced, chemically coupled

## Rheological properties

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

## Typical mechanical properties

|                                      |          |              |
|--------------------------------------|----------|--------------|
| Tensile Modulus                      | 6200 MPa | ISO 527-1/-2 |
| Stress at break, 5mm/min             | 68 MPa   | ISO 527-1/-2 |
| Strain at break, 5mm/min             | 3.5 %    | ISO 527-1/-2 |
| Flexural Modulus                     | 5800 MPa | ISO 178      |
| Charpy impact strength, 23°C         | 80 kJ/m² | ISO 179/1eU  |
| Charpy notched impact strength, 23°C | 20 kJ/m² | ISO 179/1eA  |
| Izod notched impact strength, 23°C   | 20 kJ/m² | ISO 180/1A   |

## Thermal properties

|                                         |        |             |
|-----------------------------------------|--------|-------------|
| Temp. of deflection under load, 1.8 MPa | 138 °C | ISO 75-1/-2 |
|-----------------------------------------|--------|-------------|

## Flammability

|                               |          |       |
|-------------------------------|----------|-------|
| Burning Behav. at thickness h | HB class | UL 94 |
| Thickness tested              | 1.50 mm  | UL 94 |
| UL recognition                | yes      | UL 94 |

## Other properties

|         |            |          |
|---------|------------|----------|
| Density | 1120 kg/m³ | ISO 1183 |
|---------|------------|----------|

## Injection

|                                 |             |
|---------------------------------|-------------|
| Drying Temperature              | 80 - 100 °C |
| Drying Time, Dehumidified Dryer | 2 - 3 h     |
| Max. mould temperature          | 50 - 80 °C  |

