

# POLIFOR® L40 GF/30 UV

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, high flow, UV stabilised.

## Rheological properties

|                                  |            |          |
|----------------------------------|------------|----------|
| Melt mass-flow rate              | 12 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 °C     |          |
| Melt mass-flow rate, Load        | 2.16 kg    |          |

## Typical mechanical properties

|                                    |            |              |
|------------------------------------|------------|--------------|
| Tensile Modulus                    | 6800 MPa   | ISO 527-1/-2 |
| Stress at break, 5mm/min           | 90 MPa     | ISO 527-1/-2 |
| Strain at break, 5mm/min           | 2.8 %      | ISO 527-1/-2 |
| Flexural Modulus                   | 6600 MPa   | ISO 178      |
| Izod notched impact strength, 23°C | 10.5 kJ/m² | ISO 180/1A   |

## Thermal properties

|                                         |        |             |
|-----------------------------------------|--------|-------------|
| Temp. of deflection under load, 1.8 MPa | 148 °C | ISO 75-1/-2 |
|-----------------------------------------|--------|-------------|

## Flammability

|                                      |          |       |
|--------------------------------------|----------|-------|
| Burning Behav. at 1.5mm nom. thickn. | HB class | UL 94 |
| Burning Behav. at thickness h        | HB class | 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  |

## Processing Texts

|                                 |                                                                                           |
|---------------------------------|-------------------------------------------------------------------------------------------|
| Longer pre-drying times/storage | This product should be stored in a covered facility and kept away from moisture and heat. |
|---------------------------------|-------------------------------------------------------------------------------------------|

