

# POLIFOR® L6 GFT/40 NATURALE

Polypropylene, homopolymer, 15% talc filled, 25% glass fiber reinforced, chemically coupled

## Rheological properties

|                                  |           |          |
|----------------------------------|-----------|----------|
| Melt mass-flow rate              | 4 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 °C    |          |
| Melt mass-flow rate, Load        | 2.16 kg   |          |

## Typical mechanical properties

|                                      |                      |              |
|--------------------------------------|----------------------|--------------|
| Tensile Modulus                      | 7400 MPa             | ISO 527-1/-2 |
| Stress at break, 5mm/min             | 70 MPa               | ISO 527-1/-2 |
| Strain at break, 5mm/min             | 3 %                  | ISO 527-1/-2 |
| Flexural Modulus                     | 7300 MPa             | ISO 178      |
| Flexural Strength                    | 120 MPa              | ISO 178      |
| Charpy impact strength, 23°C         | 40 kJ/m <sup>2</sup> | ISO 179/1eU  |
| Charpy notched impact strength, 23°C | 7 kJ/m <sup>2</sup>  | ISO 179/1eA  |
| Izod notched impact strength, 23°C   | 8 kJ/m <sup>2</sup>  | ISO 180/1A   |

## Thermal properties

|                                         |        |             |
|-----------------------------------------|--------|-------------|
| Temp. of deflection under load, 1.8 MPa | 142 °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 | 1230 kg/m <sup>3</sup> | 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. |
|---------------------------------|-------------------------------------------------------------------------------------------|

