

# CELANYL® B2 HH GF25 NC 1102/1

## Typical mechanical properties

|                                      |                        |              |
|--------------------------------------|------------------------|--------------|
| Tensile Modulus                      | 9000 MPa               | ISO 527-1/-2 |
| Stress at break, 5mm/min             | 170 MPa                | ISO 527-1/-2 |
| Strain at break, 5mm/min             | 3.6 %                  | ISO 527-1/-2 |
| Flexural Modulus                     | 8800 MPa               | ISO 178      |
| Flexural Strength                    | 280 MPa                | ISO 178      |
| Charpy notched impact strength, 23°C | 11.5 kJ/m <sup>2</sup> | ISO 179/1eA  |

## Thermal properties

|                                          |        |             |
|------------------------------------------|--------|-------------|
| Temp. of deflection under load, 1.8 MPa  | 204 °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 218 °C | ISO 75-1/-2 |

## Other properties

|         |                        |          |
|---------|------------------------|----------|
| Density | 1300 kg/m <sup>3</sup> | ISO 1183 |
|---------|------------------------|----------|

## Injection

|                                 |            |
|---------------------------------|------------|
| Drying Temperature              | 80 - 90 °C |
| Drying Time, Dehumidified Dryer | 4 - 8 h    |
| Processing Moisture Content     | 0.15 %     |
| Max. mould temperature          | 60 - 80 °C |

