

OMNIPRO® HPP GRC40 PL

Preliminary Datasheet

Data are based on limited testing. Values subject to change.

Polypropylene, homopolymer, 40% glass fiber reinforced, chemically coupled.

Rheological properties

Moulding shrinkage range, parallel	0.2 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.9 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	9630 MPa	ISO 527-1/-2
Stress at break, 5mm/min	105 MPa	ISO 527-1/-2
Strain at break, 5mm/min	2.8 %	ISO 527-1/-2
Flexural Modulus	9600 MPa	ISO 178
Flexural Strength	170 MPa	ISO 178
Charpy impact strength, 23°C	59 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	14 kJ/m ²	ISO 179/1eA

Other properties

Density	1220 kg/m ³	ISO 1183
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Injection

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

