

# OMNIPRO® HPP GRC20

## OMNIPRO®

Homopolymer Polypropylene. 20% Glass Reinforced.

### Product information

Resin Identification	PP-GF20	ISO 1043
Part Marking Code	>PP-GF20<	ISO 11469

### Rheological properties

Melt mass-flow rate	6 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	

### Typical mechanical properties

Tensile modulus	5200 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	74 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.4 %	ISO 527-1/-2
Flexural modulus	5000 MPa	ISO 178
Flexural strength	120 MPa	ISO 178
Charpy impact strength, 23 °C	9.5 kJ/m <sup>2</sup>	ISO 179/1eU
Poisson's ratio	0.35 <sup>[C]</sup>	

[C]: Calculated

### Physical/Other properties

Density	1040 kg/m <sup>3</sup>	ISO 1183
---------	------------------------	----------