

# PIBITER NRV20

## Product information

Part Marking Code PBT-GF20 ISO 11469

## Typical mechanical properties

Tensile Modulus	7700 MPa	ISO 527-1/-2
Stress at break, 50mm/min	100 MPa	ISO 527-1/-2
Strain at break, 5mm/min	2 %	ISO 527-1/-2
Flexural Modulus	6400 MPa	ISO 178
Charpy impact strength, 23°C	42 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	6.5 kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, 23°C	7 kJ/m <sup>2</sup>	ISO 180/1A

## Thermal properties

Temp. of deflection under load, 1.8 MPa 206 °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

Humidity absorption, 2mm	0.35 %	Sim. to ISO 62
Density	1450 kg/m <sup>3</sup>	ISO 1183

## Injection

Drying Temperature	120 - 140 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	0.02 %
Screw tangential speed	0.12 - 0.17 m/s
Max. mould temperature	75 - 100 °C
Injection speed	fast

## Other Approvals

Other Approvals

OEM	Specification	Additional Information
BMW	GS 93016	2011-01
Bosch	N28 BN07-GF005	Black