

PIBITER NRV30

Product information

Part Marking Code PBT-GF30 ISO 11469

Typical mechanical properties

Tensile Modulus	9800 MPa	ISO 527-1/-2
Stress at break, 5mm/min	130 MPa	ISO 527-1/-2
Strain at break, 5mm/min	2.5 %	ISO 527-1/-2
Flexural Modulus	9000 MPa	ISO 178
Flexural Strength	210 MPa	ISO 178
Charpy notched impact strength, 23°C	10 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min 225 °C ISO 11357-1/-3

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	0.25 %	Sim. to ISO 62
Density	1520 kg/m ³	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-GF025	Natural & Black
Renault	UB02d	PMR2020, Natural 001
VW Group	VW44045	Black