

OMNITECH® PBT GB30 HS

30% glass bead filled PBT

Typical mechanical properties

Tensile Modulus	4200 MPa	ISO 527-1/-2
Stress at break, 5mm/min	52 MPa	ISO 527-1/-2
Strain at break, 5mm/min	3.3 %	ISO 527-1/-2
Flexural Modulus	4700 MPa	ISO 178
Flexural Strength	105 MPa	ISO 178
Charpy notched impact strength, 23°C	2.9 kJ/m ²	ISO 179/1eA

Flammability

Burning rate, Thickness 1 mm	35.6 mm/min	ISO 3795 (FMVSS 302)
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Injection

Drying Temperature	115 °C
Drying Time, Dehumidified Dryer	4 h
Processing Moisture Content	0.02 %
Max. mould temperature	25 - 80 °C
Back pressure	1 MPa