

CELSTRAN® PP-GF60-0403 HF Black

Typical mechanical properties

Tensile Modulus	14700 MPa	ISO 527-1/-2
Stress at break, 5mm/min	135 MPa	ISO 527-1/-2
Strain at break, 5mm/min	1.2 %	ISO 527-1/-2
Flexural Modulus	14300 MPa	ISO 178
Flexural Strength	255 MPa	ISO 178
Charpy notched impact strength, 23°C	41 kJ/m ²	ISO 179/1eA

Other properties

Density	1430 kg/m ³	ISO 1183
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Injection

Drying Temperature	90 - 100 °C
Drying Time, Dehumidified Dryer	2 h
Processing Moisture Content	0.2 %
Screw tangential speed	0.1 m/s
Max. mould temperature	30 - 70 °C
Back pressure	3 MPa
Injection speed	slow

