

CELSTRAN® PA66-GF50-02 AD3019 Black

Typical mechanical properties

Tensile Modulus	17000 MPa	ISO 527-1/-2
Stress at break, 5mm/min	230 MPa	ISO 527-1/-2
Strain at break, 5mm/min	1.6 %	ISO 527-1/-2
Flexural Modulus	14800 MPa	ISO 178
Flexural Strength	365 MPa	ISO 178
Charpy notched impact strength, 23°C	38 kJ/m ²	ISO 179/1eA

Thermal properties

Temp. of deflection under load, 1.8 MPa	261 °C	ISO 75-1/-2
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Other properties

Density	1560 kg/m ³	ISO 1183
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Injection

Drying Temperature	70 - 80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	0.15 %
Screw tangential speed	0.1 m/s
Max. mould temperature	80 - 100 °C
Back pressure	3 MPa

