

CELSTRAN® PA66-GF50-02 AD3019 BLACK

CELSTRAN® Long Fibre

Product information

Resin Identification	PA66-LGF50	ISO 1043
Part Marking Code	>PA66-LGF50<	ISO 11469

Typical mechanical properties

Tensile modulus	17000 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	230 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.6 %	ISO 527-1/-2
Flexural modulus	14800 ^[1] MPa	ISO 178
Flexural strength	360 MPa	ISO 178
Charpy notched impact strength, 23°C	38 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.33 ^[C]	

[C]: Calculated

[1]: 11 Batches

Thermal properties

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

Density	1560 kg/m ³	ISO 1183
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Injection

Drying Recommended	yes
Drying Temperature	80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	≤0.2 %
Melt Temperature Optimum	295 °C
Min. melt temperature	285 °C
Max. melt temperature	305 °C
Screw tangential speed	≤0.2 m/s
Mold Temperature Optimum	100 °C
Min. mould temperature	70 °C
Max. mould temperature	120 °C
Hold pressure range	50 - 100 MPa
Back pressure	3 MPa

Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	U.V. stabilised or stable to weather, Heat stabilised or stable to heat

Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Stellantis - Chrysler	MS.50017 / CPN-4691	Black