



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/m²	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

Physical/Other properties

Density	1560 kg/n	n ³ ISO 1183
2011011	1000 119/11	1001100

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

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Revised: 2024-07-12 Source: Celanese Materials Database





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Automotive

Stellantis - Chrysler

OEM

STANDARD

ADDITIONAL INFORMATION

Black

MS.50017 / CPN-4691

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