

CELSTRAN® PA66-AF35-01 AF3003 NATURAL 6MM

CELSTRAN® Long Fibre

Celstran® PA66-AF35-01 is a 35% long aramid fiber Polyamide. Natural. This material imparts excellent wear resistance along with impact and modulus properties that can only be achieved through the use of long fiber technology. This product is a shorter pellet length at 6mm.

Product information

Resin Identification	PA66-LAF35	ISO 1043
Part Marking Code	>PA66-LAF35<	ISO 11469

Typical mechanical properties

Tensile modulus	9200 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	125 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.9 %	ISO 527-1/-2
Flexural modulus	8400 MPa	ISO 178
Flexural strength	180 MPa	ISO 178
Charpy notched impact strength, 23°C	14 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34 ^[C]	

[C]: Calculated

Injection

Drying Recommended	yes
Drying Temperature	80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	≤0.2 %
Melt Temperature Optimum	290 °C
Min. melt temperature	280 °C
Max. melt temperature	305 °C
Screw tangential speed	≤0.2 m/s
Mold Temperature Optimum	110 °C
Min. mould temperature	70 °C
Max. mould temperature	120 °C
Hold pressure range	50 - 100 MPa

Characteristics

Processing	Injection Moulding
Special characteristics	Heat stabilised or stable to heat, Low wear / Low friction