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	1.33E6	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	18100	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.9	%	ISO 527-1/-2
Flexural modulus	1.22E6	psi	ISO 178
Flexural strength	26800	psi	ISO 178
Charpy notched impact strength, 23°C	6.66	ftlb/in²	ISO 179/1eA

Injection

Drying Recommended	yes	
Drying Temperature	176	°F
Drying Time, Dehumidified Dryer	2 - 4	h
Processing Moisture Content	≤0.2	%
Melt Temperature Optimum	572	°F
Min. melt temperature	545	°F
Max. melt temperature	581	°F
Max. screw tangential speed	≤0.2	m/s
Mold Temperature Optimum	212	°F
Min. mold temperature	158	°F
Max. mold temperature	248	°F
Hold pressure range	7250 - 14500	psi
Hold Pressure Time (h is the max. wall thickness of the part in mm)	h²+2	s

Characteristics

Processing	Injection Molding
Special characteristics	Heat stabilized or stable to heat, Low wear / Low friction

Revised: 2025-07-11 Source: Celanese Materials Database

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