



Technical Datasheet

Product: Polyamide 6 Reinforced With 30% Glass Fiber

Grade: C1PA6-30GF-N

Product Description:

C1PA6-30GF-N is virgin polyamide 6 reinforced with 30 % glass fiber. It combines excellent mechanical properties and toughness and also appropriate thermal resistance. This grade provides high impact strength and high stiffness, simultaneously. This compound has been designed for injection molding process and its main application is automotive parts, electrical goods and other finished products.

Applications:

- Automotive plastic parts.
- Electrical goods.

Appearance:

Polymer Host	PA 6
Appearance	Granule
Color	Natural
Glass Fiber Content	30%

Physical and Mechanical Properties:

Properties	Unit	Value	Standard
Specific Gravity	g/cm ³	1.3	ASTM D792
Tensile Strength (50 mm/min)	MPa	175	ASTM D638
Elongation @ break	%	6	ASTM D638
Flexural Modulus	MPa	9000	ASTM D790
Izod Notched Impact Strength	KJ/m ²	20	ASTM D 256

Processing Temperature: The recommended processing temperature is 270 to 290 °C.

Recommendation: It should be degassed at 80°C for 4 hours properly before using.

Note: The information provided in this data sheet is based on our present state of knowledge and is estimated by Payesh C1 Polymer Co.. This information should not be used as guaranteeing specification limits. Payesh C1 Polymer Co. make no warranty and liability in connection with any use of this information.