

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.

Appearance:

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

Physical 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.

Note: 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 C-One Polymer Co.. This information should not be used as guaranteeing specification limits. Payesh C-One Polymer Co. make no warranty and liability in connection with any use of this information.