



# CHEMPLAX LLC

A KMI Group Company

Technical Data Sheet

## Nylux GF30 PA6

30% Long Strand Glass Fiber Reinforced Nylon 6 Black

### Product Description

Nylux GF30 PA6 is a 30% long strand glass fiber reinforced Nylon 6 Black that has characteristics that are good for processing and injection molding.

### Revision

Revision Date: 6/26/2025

Properties	Method	Value
Density	ISO 75-1/-2	1360 kg/m <sup>3</sup>
Tensile Properties	ISO 527-1/-2	
Tensile Modulus		9510 MPa
Tensile Stress @ Break, 5mm/min		155 MPa
Tensile Strain @ Break, 5mm/min		1.80%
Flexural Properties	ISO 178	
Flexural Modulus		8830 MPa
Flexural Strength		250 MPa
Izod Notched Impact Strength, 23° C	ISO 180/1A	26 kJ/m <sup>2</sup>
Izod Impact Strength, -40° C	ISO 180/1U	23.5 kJ/m <sup>2</sup>
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	18 kJ/m <sup>2</sup>
Temperature of Deflection Under Load	ISO 75-1/-2	
1.8 MPa		207° C

## Notes

### **Injection Molding**

#### Preprocessing:

GF30 PA6 drying requirements: 4 hrs @ 80° C. (A dehumidifier or desiccant dryer is recommended).

#### Processing:

Nylux GF30 PA6 can be processed on a standard injection molding unit. A general purpose metering screw is recommended with a zone distribution of 40% feed, 40% transition, and 20% metering. A free-flowing check ring assembly is recommended.

### **Processing**

#### Pre-Drying:

Nylux GF30 PA6 should, in principle, be pre-dried. Because of the necessary low maximum residual moisture content, the use of dry air dryers is recommended.

The dew point should be  $\leq -30^{\circ}\text{C}$ . The time between drying and processing should be as short as possible.

### **Storage**

Material can be over-dried and may discolor.

**For additional inquiries, please contact: [csr.supplychain@kmigroup.com](mailto:csr.supplychain@kmigroup.com)**

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