PP

# Moplen® HF213BK

LyondellBasell

Position #107 · Jinsutong Reference Catalog 2026

## Resin Overview

PP · 30% Glass Fiber, Black. Sourced from public manufacturer technical data sheets.

## This Grade

| | |
|---|---|
| **Manufacturer** | LyondellBasell |
| **Category** | PP · 30% Glass Fiber, Black |
| **Typical Use** | High-modulus structural, automotive |

## Key Properties

| | |
|---|---|
| **MFR (230°C/2.16 kg)** | 5 g/10min |
| **Density** | 1.12 g/cm³ |
| **Tensile Strength at Break** | 85 MPa |
| **Tensile Modulus** | 6500 MPa |
| **Elongation at Break** | 3% |
| **HDT (1.8 MPa)** | 150 °C |
| **Flexural Modulus** | 6000 MPa |
| **Color** | Black |

## Key Features

- 30% glass fiber for high modulus
- Black color pre-compounded
- Heat stabilized for automotive
- Suitable for metal replacement

## Processing Conditions

| | |
|---|---|
| **Melt Temperature** | 220-260 °C |
| **Mold Temperature** | 40-80 °C |
| **Drying** | 2 h @ 80 °C |
| **Processing Methods** | Injection molding |

## Typical Applications

- Automotive structural parts
- Metal replacement
- Instrument panel carriers
- Battery tray structures

## Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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