PP

STAMAX™ HFG 10307

SABIC

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Resin Overview

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

This Grade

Manufacturer	SABIC
Category	PP · 30% Glass Fiber, High Stiffness
Typical Use	Automotive structural, metal replacement

Key Properties

MFR (230°C/2.16 kg)	5 g/10min
Density	1.12 g/cm³
Tensile Strength at Yield	85 MPa
Tensile Modulus	6500 MPa
Elongation at Break	3%
HDT (1.8 MPa)	150 °C
Flexural Modulus	6000 MPa
Continuous Use Temperature	120 °C

Key Features

- 30% glass fiber for high stiffness
- Lightweight alternative to metal
- Good dimensional stability
- Low cost vs PA or PPA composites

Processing Conditions

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

Typical Applications

- Automotive front-end modules
- Instrument panel carriers
- Battery tray structural parts
- Door module carriers

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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