PP

Moplen® HF501N

LyondellBasell

Position #107 · Jinsutong Reference Catalog 2026

Resin Overview

PP · Homopolymer, High Stiffness. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	LyondellBasell
Category	PP · Homopolymer, High Stiffness
Typical Use	High stiffness nucleated PP, automotive

Key Properties

MFR (230°C/2.16 kg)	10 g/10min
Density	0.90 g/cm³
Tensile Strength at Yield	36 MPa
Tensile Modulus	1650 MPa
Elongation at Break	50%
HDT (0.45 MPa)	112 °C
Vicat Softening Point	154 °C
FDA 21 CFR 177.1520	Compliant

Key Features

- Very high stiffness (1650 MPa)
- Nucleated for fast cycle
- High gloss for thin-wall
- FDA food contact compliant

Processing Conditions

Melt Temperature	200-240 °C
Mold Temperature	30-60 °C
Drying	Not required
Processing Methods	Injection molding

Typical Applications

- Thin-wall containers
- Caps and closures
- Automotive interior
- Rigid packaging

Regulatory & Compliance

- FDA 21 CFR 177.1520
- EU 10/2011
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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