PP

Moplen® RF366HK

LyondellBasell

Position #106 · Jinsutong Reference Catalog 2026

Resin Overview

PP · Random Copolymer, High Clarity. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	LyondellBasell
Category	PP · Random Copolymer, High Clarity
Typical Use	Clear packaging, food containers, medical

Key Properties

MFR (230°C/2.16 kg)	18 g/10min
Density	0.90 g/cm³
Tensile Strength at Yield	28 MPa
Tensile Modulus	1100 MPa
Elongation at Break	60%
HDT (0.45 MPa)	85 °C
Vicat Softening Point	122 °C
Haze (1mm)	< 6%

Key Features

- High clarity random copolymer PP
- Good transparency for clear packaging
- Low temperature sealability
- Recyclable in PP stream

Processing Conditions

Melt Temperature	200-240 °C
Mold Temperature	30-50 °C
Drying	Not required (predry 1 h @ 80°C recommended)
Processing Methods	Injection molding, ISBM

Typical Applications

- Clear food containers
- Transparent packaging
- Medical device housings
- Cosmetic containers

Regulatory & Compliance

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

> ⚠ All data sourced from public manufacturer catalogs.

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