PP

Achieve™ 3854

ExxonMobil

Position #106 · Jinsutong Reference Catalog 2026

Resin Overview

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

This Grade

Manufacturer	ExxonMobil
Category	PP · Homopolymer, Injection
Typical Use	General purpose injection, food containers

Key Properties

MFR (230°C/2.16 kg)	12 g/10min
Density	0.90 g/cm³
Tensile Strength at Yield	35 MPa
Tensile Modulus	1500 MPa
Elongation at Break	60%
HDT (0.45 MPa)	110 °C
Vicat Softening Point	152 °C
FDA 21 CFR 177.1520	Compliant

Key Features

- High stiffness homopolymer PP
- Nucleated for fast cycle
- Good for thin-wall injection
- 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 food containers
- Caps and closures
- Rigid packaging
- General consumer goods

Regulatory & Compliance

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

> ⚠ All data sourced from public manufacturer catalogs.

Contact
Mr. Mo Hailong (莫海龙) — Business Manager · +86 138 1603 7020 · 13816037020@139.com
Shanghai Jinsutong Plastics Co., Ltd. · 1st Building, 5601 Yanqian Road, Fengxian District, Shanghai

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