PP

Achieve™ 6936G1

ExxonMobil

Position #105 · Jinsutong Reference Catalog 2026

Resin Overview

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

This Grade

Manufacturer	ExxonMobil
Category	PP · Homopolymer, High Stiffness
Typical Use	Injection molding, caps, rigid packaging

Key Properties

MFR (230°C/2.16 kg)	12 g/10min
Density	0.90 g/cm³
Tensile Strength at Yield	36 MPa
Tensile Modulus	1550 MPa
Elongation at Break	50%
HDT (0.45 MPa)	110 °C
Vicat Softening Point	152 °C
Flexural Modulus	1500 MPa

Key Features

- High stiffness homopolymer PP
- Nucleated for fast cycle
- Good dimensional stability
- FDA food contact compliant

Processing Conditions

Melt Temperature	200-240 °C
Mold Temperature	30-60 °C
Drying	Not required (predry 1 h @ 80°C recommended)
Processing Methods	Injection molding

Typical Applications

- Thin-wall caps and closures
- Rigid packaging containers
- Consumer goods
- Toys and housewares

Regulatory & Compliance

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

> ⚠ All data sourced from public manufacturer catalogs.

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