COC

TOPAS® 5013F-04

TOPAS Advanced Polymers

Position #111 · Jinsutong Reference Catalog 2026

Resin Overview

COC · Film Grade, High Tg. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	TOPAS Advanced Polymers
Category	COC · Film Grade, High Tg
Typical Use	Shrink film, label film, pharmaceutical packaging

Key Properties

Density	1.02 g/cm³
MFR (260°C/2.16 kg)	13 g/10min
Tg (DSC)	130 °C
Tensile Strength at Yield	63 MPa
Tensile Modulus	2600 MPa
Elongation at Break	4%
Light Transmittance (2mm)	92%
Haze (50 µm)	< 1%

Key Features

- High Tg (130°C) for shrink film
- Very high clarity for film
- Low density for lightweight packaging
- Good shrink properties at 110-130°C

Processing Conditions

Melt Temperature	270-310 °C
Mold Temperature	N/A (extrusion)
Drying	4 h @ 100 °C
Processing Methods	Blown film, cast film extrusion

Typical Applications

- Shrink film labels
- Pharmaceutical packaging film
- Shrink sleeves for containers
- Display and protective films

Regulatory & Compliance

- FDA 21 CFR 182.99
- 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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