# COC 8007S 04

TOPAS Advanced Polymers

Reference catalog 2026 - Upgraded Template

## Resin Overview (Upgraded Template)

COC · 环烯烃共聚物 (Upgraded)

## This Grade

| | |
|---|---|
| **Manufacturer** | TOPAS Advanced Polymers |
| **Category** | COC · 环烯烃共聚物 (Upgraded) |
| **Typical Use** | Reference grade for 环烯烃共聚物 (Upgraded) |

## Key Properties (8 metrics)

| | |
|---|---|
| **Density** | 1.02 g/cm3 |
| **MFR (260°C/2.16 kg)** | 15 g/10min |
| **Tg (DSC)** | 138 °C |
| **Tensile Strength at Yield** | 65 MPa |
| **Tensile Modulus** | 2700 MPa |
| **Elongation at Break** | 4% |
| **Light Transmittance (2mm)** | 92% |
| **Refractive Index** | 1.53 |

## Key Features

- High clarity for optical use
- Low birefringence
- High Tg (78-138°C depending on grade)
- USP Class VI available

## Processing Conditions

| | |
|---|---|
| **Melt Temperature** | 270-320 °C |
| **Mold Temperature** | 100-150 °C |

| | |
|---|---|
| **Drying** | 4 h @ 100 °C |
| **Processing Methods** | Injection molding |

## Typical Applications

- Optical lenses
- Pharmaceutical packaging
- Medical devices
- Diagnostic components

## Regulatory & Compliance

- RoHS compliant
- REACH registered
- FDA food contact grades available

> Data from public manufacturer catalogs. Verify before procurement.

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