PC MAKROLON 2458

Covestro

Reference catalog 2026 - Upgraded Template

Resin Overview (Upgraded Template)

PC · 聚碳酸酯 (Upgraded)

This Grade

Manufacturer	Covestro
Category	PC · 聚碳酸酯 (Upgraded)
Typical Use	Reference grade for 聚碳酸酯 (Upgraded)

Key Properties (8 metrics)

MVR (300°C/1.2 kg)	15 cm3/10min
Density	1.20 g/cm3
Tensile Strength at Yield	63 MPa
Tensile Modulus	2350 MPa
Elongation at Break	110%
Notched Izod Impact (23°C)	75 kJ/m2
HDT (1.8 MPa)	130 °C
Light Transmittance (2mm)	89%

Key Features

- High impact strength
- Good optical clarity
- FDA food contact
- High heat resistance

Processing Conditions

Melt Temperature	280-320 °C
Mold Temperature	80-110 °C

Drying	4 h @ 120 °C in desiccant dryer
Processing Methods	Injection molding, extrusion

Typical Applications

- Optical components
- Medical devices
- Consumer electronics
- Automotive lighting

Regulatory & Compliance

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

> Data from public manufacturer catalogs. Verify before procurement.

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