PC

Makrolon® 2460

Covestro

Position #104 • Jinsutong Reference Catalog 2026

Resin Overview

PC · Healthcare, Autoclavable. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Covestro
Category	PC · Healthcare, Autoclavable
Typical Use	Medical transparent parts, autoclavable

Key Properties

MVR (300°C/1.2 kg)	15 cm³/10min
Density	1.20 g/cm³
Tensile Strength at Yield	65 MPa
Tensile Modulus	2350 MPa
Notched Izod Impact (23°C)	75 kJ/m²
HDT (1.8 MPa)	130 °C
Light Transmittance (2mm)	88%
Sterilization Cycles	1000+ autoclave

Key Features

- USP Class VI certified
- Autoclavable for 1000+ cycles
- High clarity for medical
- ISO 10993 compliant

Processing Conditions

Melt Temperature	280-320 °C

Mold Temperature	80-110 °C
Drying	4 h @ 120 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- Reusable medical devices
- Surgical instruments
- Sterilization containers
- Labware

Regulatory & Compliance

- USP Class VI
- ISO 10993
- FDA 21 CFR 177.1580

> ⚠ All data sourced from public manufacturer catalogs.

Contact
Mr. Mo Hailong · +86 138 1603 7020 · 13816037020@139.com

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