PC

Makrolon® 6265

Covestro

Position #107 · Jinsutong Reference Catalog 2026

Resin Overview

PC · Medical, Biocompatible. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Covestro
Category	PC · Medical, Biocompatible
Typical Use	Medical device housings, drug delivery, surgical

Key Properties

MVR (300°C/1.2 kg)	12 cm³/10min
Density	1.20 g/cm³
Tensile Strength at Yield	65 MPa
Tensile Modulus	2400 MPa
Notched Izod Impact (23°C)	75 kJ/m²
HDT (1.8 MPa)	132 °C
Tg (DMA)	148 °C
Sterilization	EtO, gamma

Key Features

- USP Class VI certified
- ISO 10993 biocompatibility
- EtO and gamma sterilizable
- High clarity for medical use

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

- Medical device housings
- Drug delivery devices
- Surgical instrument parts
- Pharmaceutical packaging

Regulatory & Compliance

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

> ⚠ All data sourced from public manufacturer catalogs.

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