PC

Makrolon® 3108

Covestro

Position #105 • Jinsutong Reference Catalog 2026

Resin Overview

PC · UV Stabilized, General. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Covestro
Category	PC · UV Stabilized, General
Typical Use	UV-stabilized PC for outdoor use

Key Properties

MVR (300°C/1.2 kg)	10 cm³/10min
Density	1.20 g/cm³
Tensile Strength at Yield	65 MPa
Tensile Modulus	2400 MPa
Notched Izod Impact (23°C)	80 kJ/m²
Elongation at Break	110%
HDT (1.8 MPa)	130 °C
UV Aging (2000h)	ΔYI<3

Key Features

- UV stabilized for outdoor use
- Good impact for outdoor parts
- High clarity
- Covestro quality

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

- Outdoor lighting covers
- Automotive headlamp lenses
- Greenhouse panels
- UV-exposed consumer goods

Regulatory & Compliance

- UL 94 V-2
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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