PC+ABS

Cycoloy® CY5120

SABIC

Position #105 · Jinsutong Reference Catalog 2026

Resin Overview

PC+ABS · FR, V-0, Black. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	SABIC
Category	PC+ABS · FR, V-0, Black
Typical Use	FR IT equipment, electrical housings

Key Properties

MFR (260°C/5 kg)	12 g/10min
Density	1.20 g/cm³
Tensile Strength at Yield	60 MPa
Tensile Modulus	2700 MPa
Notched Izod Impact (23°C)	40 kJ/m²
HDT (1.8 MPa)	108 °C
Vicat Softening Point	118 °C
UL 94 Rating	V-0 @ 1.5mm

Key Features

- UL 94 V-0 flame retardant
- High heat (HDT 108°C)
- Black pre-compounded
- Good for IT and electrical use

Processing Conditions

Melt Temperature	250-280 °C
Mold Temperature	60-80 °C
Drying	4 h @ 100 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- FR IT equipment housings
- Electrical enclosures
- Telecom equipment
- Server components

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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