PC+ABS

Cycoloy® CR5540

SABIC

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Resin Overview

PC+ABS · Healthcare, Medical. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	SABIC
Category	PC+ABS · Healthcare, Medical
Typical Use	Medical device housings, healthcare

Key Properties

MVR (260°C/5 kg)	13 g/10min
Density	1.15 g/cm³
Tensile Strength at Yield	53 MPa
Tensile Modulus	2400 MPa
Notched Izod Impact (23°C)	50 kJ/m²
HDT (1.8 MPa)	100 °C
USP Class VI	Compliant
ISO 10993	Compliant

Key Features

- USP Class VI certified
- ISO 10993 biocompatibility
- Suitable for EtO and gamma sterilization
- Good for medical device housings

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

- Medical device housings
- Diagnostic equipment parts
- Surgical instrument handles
- Pharmaceutical equipment

Regulatory & Compliance

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

> ⚠ All data sourced from public manufacturer catalogs.

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