ABS

Cycolac® FCRS

SABIC

Position #101 • Jinsutong Reference Catalog 2026

Resin Overview

ABS · FR, High Heat, V-0. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	SABIC
Category	ABS · FR, High Heat, V-0
Typical Use	High-heat FR ABS for electrical

Key Properties

MFR (220°C/10 kg)	5 g/10min
Density	1.06 g/cm³
Tensile Strength at Yield	46 MPa
Notched Izod Impact (23°C)	20 kJ/m²
HDT (1.8 MPa)	100 °C
Vicat Softening Point	108 °C
UL 94 Rating	V-0 @ 1.5mm
Color	Natural

Key Features

- FR V-0 for electrical safety
- Higher HDT (100°C) for heat resistance
- Good impact strength
- SABIC quality

Processing Conditions

Melt Temperature	210-250 °C

Mold Temperature	40-80 °C
Drying	2 h @ 80 °C
Processing Methods	Injection molding

Typical Applications

- FR electrical enclosures
- Power tool housings
- Office equipment parts
- Server components

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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