ABS

Polylac® PA-747

Chi Mei

Position #103 · Jinsutong Reference Catalog 2026

Resin Overview

ABS · High Impact, Injection. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Chi Mei
Category	ABS · High Impact, Injection
Typical Use	Consumer electronics, automotive, toys

Key Properties

MFR (220°C/10 kg)	8 g/10min
Density	1.05 g/cm³
Tensile Strength at Yield	44 MPa
Tensile Modulus	2400 MPa
Notched Izod Impact (23°C)	28 kJ/m²
Elongation at Break	30%
HDT (1.8 MPa)	90 °C
Vicat Softening Point	98 °C

Key Features

- High impact strength (28 kJ/m²)
- Good flow for complex parts
- High gloss surface
- Wide processing window

Processing Conditions

Melt Temperature	210-250 °C
Mold Temperature	40-80 °C
Drying	2 h @ 80 °C
Processing Methods	Injection molding

Typical Applications

- Consumer electronics
- Automotive interior
- Toys and games
- Appliance components

Regulatory & Compliance

- UL 94 HB
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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