ABS

Lustran® 446

INEOS Styrolution

Position #102 · Jinsutong Reference Catalog 2026

Resin Overview

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

This Grade

Manufacturer	INEOS Styrolution
Category	ABS · High Heat, High Impact
Typical Use	Automotive interior, appliances, electrical

Key Properties

MFR (220°C/10 kg)	4 g/10min
Density	1.06 g/cm³
Tensile Strength at Yield	50 MPa
Tensile Modulus	2700 MPa
Notched Izod Impact (23°C)	22 kJ/m²
HDT (1.8 MPa)	102 °C
Vicat Softening Point	110 °C
Mold Shrinkage (MD)	0.5%

Key Features

- High heat resistance (HDT 102°C)
- High impact strength
- Good dimensional stability
- Good for automotive interior

Processing Conditions

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

Typical Applications

- Automotive interior parts
- Appliance housings
- Electrical enclosures
- Office equipment parts

Regulatory & Compliance

- UL 94 HB
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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