PA66

Leona® 13G43

Asahi Kasei

Position #111 · Jinsutong Reference Catalog 2026

Resin Overview

PA66 · 43% Glass Fiber, High Stiffness. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Asahi Kasei
Category	PA66 · 43% Glass Fiber, High Stiffness
Typical Use	High-stiffness structural, automotive

Key Properties

Density	1.50 g/cm³
MVR (275°C/5 kg)	20 cm³/10min
Tensile Strength at Break	210 MPa
Tensile Modulus	14000 MPa
Elongation at Break	2.5%
HDT (1.8 MPa)	255 °C
Flexural Modulus	12500 MPa
Moisture Absorption (saturation)	5.5%

Key Features

- Very high stiffness (43% GF)
- High heat resistance 150°C
- Low creep under sustained load
- Asahi Kasei quality

Processing Conditions

Melt Temperature	280-300 °C
Mold Temperature	80-100 °C
Drying	4 h @ 80 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- High-stiffness structural parts
- Automotive under-hood components
- Industrial housings
- Metal replacement

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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