PA66

Ultramid® A3WG6

BASF

Position #110 · Jinsutong Reference Catalog 2026

Resin Overview

PA66 · 30% Glass Fiber, Black. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	BASF
Category	PA66 · 30% Glass Fiber, Black
Typical Use	Automotive structural, under-hood

Key Properties

Density	1.36 g/cm³
MVR (275°C/5 kg)	40 cm³/10min
Tensile Strength at Break	180 MPa
Tensile Modulus	9500 MPa
Elongation at Break	3.0%
HDT (1.8 MPa)	240 °C
Color	Black
Moisture Absorption (saturation)	6.0%

Key Features

- 30% glass fiber for high stiffness
- Heat stabilized for 150°C continuous
- Black color pre-compounded
- BASF 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

- Automotive under-hood brackets
- Structural components
- Engine bay parts
- Industrial connectors

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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