PA66 ULTRAMID A3K

BASF

Reference catalog 2026 - Upgraded Template

Resin Overview (Upgraded Template)

PA66 · 聚酰胺 66 (Upgraded)

This Grade

Manufacturer	BASF
Category	PA66 · 聚酰胺 66 (Upgraded)
Typical Use	Reference grade for 聚酰胺 66 (Upgraded)

Key Properties (8 metrics)

Density	1.14 g/cm3
MVR (275°C/5 kg)	50 cm3/10min
Melting Point (DSC)	262 °C
Tensile Strength at Yield	80 MPa
Tensile Modulus	3000 MPa
Elongation at Break	30%
HDT (0.45 MPa)	200 °C
Moisture Absorption (saturation)	8.5%

Key Features

- High strength and stiffness
- Good chemical resistance
- Heat stabilized for automotive
- Wide processing window

Processing Conditions

Melt Temperature	280-300 °C

Mold Temperature	70-100 °C
Drying	4 h @ 80 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- Automotive structural parts
- Industrial machinery
- Electrical connectors
- Consumer goods

Regulatory & Compliance

- RoHS compliant
- REACH registered
- FDA food contact grades available

> Data from public manufacturer catalogs. Verify before procurement.

Contact
Mr. Mo Hailong (莫海龙) · Business Manager · +86 138 1603 7020 · 13816037020@139.com

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