PA12 RILSAMID AMN

Arkema

Reference catalog 2026 - Upgraded Template

Resin Overview (Upgraded Template)

PA12 · 聚酰胺 12 (Upgraded)

This Grade

Manufacturer	Arkema
Category	PA12 · 聚酰胺 12 (Upgraded)
Typical Use	Reference grade for 聚酰胺 12 (Upgraded)

Key Properties (8 metrics)

Density	1.01 g/cm3
MVR (235°C/5 kg)	20 cm3/10min
Melting Point (DSC)	178 °C
Tensile Strength at Yield	50 MPa
Elongation at Break	200%
HDT (0.45 MPa)	120 °C
Moisture Absorption (saturation)	0.7%
Continuous Use Temperature	100 °C

Key Features

- Lowest moisture absorption among PA
- High flexibility at low temp
- Chemical resistance to fuels
- Easy processing for extrusion

Processing Conditions

Melt Temperature	210-270 °C

Mold Temperature	40-80 °C
Drying	4-6 h @ 80 °C in desiccant dryer
Processing Methods	Injection molding, extrusion

Typical Applications

- Automotive fuel lines
- Flexible tubing
- Pneumatic systems
- 3D printing (SLS)

Regulatory & Compliance

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

> Data from public manufacturer catalogs. Verify before procurement.

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