# PA66 ASCEND VYDYNE 21SPC

See datasheet

Reference catalog 2026 - Upgraded Template

## Resin Overview (Upgraded Template)

PA66 · 聚酰胺 66 (Upgraded)

## This Grade

| | |
|---|---|
| **Manufacturer** | See datasheet |
| **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.

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