PA46 DSM STANYL TW441

See datasheet

Reference catalog 2026 - Upgraded Template

Resin Overview (Upgraded Template)

PA46 · 聚酰胺 46 (Upgraded)

This Grade

Manufacturer	See datasheet
Category	PA46 · 聚酰胺 46 (Upgraded)
Typical Use	Reference grade for 聚酰胺 46 (Upgraded)

Key Properties (8 metrics)

Density	1.18 g/cm3
MVR (275°C/5 kg)	15 cm3/10min
Melting Point (DSC)	295 °C
Tensile Strength at Break	100 MPa
Tensile Modulus	3300 MPa
Elongation at Break	20%
HDT (1.8 MPa)	160 °C
Continuous Use Temperature	150 °C

Key Features

- Highest HDT among PA grades
- Wear and fatigue resistant
- Suitable for high-temp gears
- SMT connector grade

Processing Conditions

Melt Temperature	290-320 °C
Mold Temperature	80-120 °C

Drying	4 h @ 80 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- High-temp electrical connectors
- Gears and bearing cages
- SMT components
- Automotive under-hood

Regulatory & Compliance

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

> Data from public manufacturer catalogs. Verify before procurement.

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