PA46

Stanyl® TF 300 Black

DSM (now Envalior)

Position #120 • Jinsutong Reference Catalog 2026

Resin Overview

PA46 · Black, Heat Stabilized. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	DSM (now Envalior)
Category	PA46 · Black, Heat Stabilized
Typical Use	Black PA46 for high-temp automotive

Key Properties

Density	1.18 g/cm³
MVR (275°C/5 kg)	25 cm³/10min
Melting Point (DSC)	295 °C
Tensile Strength at Yield	105 MPa
Tensile Modulus	3500 MPa
Elongation at Break	25%
Notched Izod Impact (23°C)	10 kJ/m²
Color	Black
HDT (1.8 MPa)	175 °C

Key Features

- Black pre-compounded PA46
- Heat stabilized for 150°C
- High wear resistance
- SABIC quality

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

- Black high-temp automotive
- Gears and bearings
- Snap-fit high-temp parts
- Industrial under-hood

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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