PA46

Stanyl® TE250F8

DSM (now Envalior)

Position #112 · Jinsutong Reference Catalog 2026

Resin Overview

PA46 · 40% Glass, High Stiffness. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	DSM (now Envalior)
Category	PA46 · 40% Glass, High Stiffness
Typical Use	Ultra-stiff structural, automotive

Key Properties

Density	1.50 g/cm³
MVR (275°C/5 kg)	8 cm³/10min
Melting Point (DSC)	295 °C
Tensile Strength at Break	200 MPa
Tensile Modulus	14000 MPa
Elongation at Break	2.0%
HDT (1.8 MPa)	290 °C
Flexural Modulus	13000 MPa

Key Features

- 40% glass for very high stiffness
- High heat 170°C continuous
- Good creep resistance at elevated temperature
- Suitable for metal replacement

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

- Metal replacement structural parts
- High-temp automotive brackets
- Industrial gears and bearings
- SMT power components

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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