PPS

Torelina® A505-D7

Toray Industries

Position #119 · Jinsutong Reference Catalog 2026

Resin Overview

PPS · 50% Glass/Mineral, Black. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Toray Industries
Category	PPS · 50% Glass/Mineral, Black
Typical Use	High-modulus structural, automotive

Key Properties

Density	1.75 g/cm³
MVR (310°C/5 kg)	15 g/10min
Tensile Strength at Break	160 MPa
Tensile Modulus	16000 MPa
Elongation at Break	1.0%
HDT (1.8 MPa)	265 °C
Flexural Modulus	15000 MPa
Color	Black

Key Features

- 50% filler loading for high modulus
- Black pre-compounded
- High heat 200°C continuous
- Toray quality

Processing Conditions

Melt Temperature	310-330 °C
Mold Temperature	140-170 °C
Drying	4 h @ 150 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- Automotive structural
- Metal replacement
- High-temp brackets
- Pump housings

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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