PPS

Torelina® A604XL

Toray Industries

Position #115 • Jinsutong Reference Catalog 2026

Resin Overview

PPS · 40% Glass, Black, High Modulus. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Toray Industries
Category	PPS · 40% Glass, Black, High Modulus
Typical Use	40% glass fiber for high-modulus structural

Key Properties

Density	1.65 g/cm³
Tensile Strength at Break	180 MPa
Tensile Modulus	14500 MPa
Elongation at Break	1.6%
HDT (1.8 MPa)	265 °C
Continuous Use Temperature	200 °C
Color	Black
UL 94 Rating	V-0 @ 0.75mm

Key Features

- 40% glass for high modulus
- Black pre-compounded
- UL 94 V-0 flame retardant
- Suitable for metal replacement

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

- High-modulus structural parts
- Automotive under-hood
- Industrial pump housings
- Premium IT structural

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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