PPS

Torelina® A610M

Toray Industries

Position #117 · Jinsutong Reference Catalog 2026

Resin Overview

PPS · 65% Glass/Mineral, High Modulus. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Toray Industries
Category	PPS · 65% Glass/Mineral, High Modulus
Typical Use	High-stiffness structural, metal replacement

Key Properties

Density	1.95 g/cm³
Tensile Strength at Break	155 MPa
Tensile Modulus	18500 MPa
Elongation at Break	0.8%
HDT (1.8 MPa)	265 °C
Continuous Use Temperature	200 °C
Flexural Modulus	17500 MPa
Mold Shrinkage (MD)	0.2%

Key Features

- Very high filler loading (65%)
- Highest stiffness in PPS line
- Very low CTE for precision
- Replaces metal in structural parts

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

- Metal replacement structural parts
- High-precision instrument housings
- Pump and valve components
- Automotive turbo components

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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