# PPS TORELINA A504X90

Toray

Reference catalog 2026 - Upgraded Template

## Resin Overview (Upgraded Template)

PPS · 聚苯烃硬酯 (Upgraded)

## This Grade

| | |
|---|---|
| **Manufacturer** | Toray |
| **Category** | PPS · 聚苯烃硬酯 (Upgraded) |
| **Typical Use** | Reference grade for 聚苯烃硬酯 (Upgraded) |

## Key Properties (8 metrics)

| | |
|---|---|
| **Density** | 1.65 g/cm3 |
| **Tensile Strength at Break** | 170 MPa |
| **Tensile Modulus** | 14000 MPa |
| **Elongation at Break** | 2.0% |
| **HDT (1.8 MPa)** | 265 °C |
| **Continuous Use Temperature** | 200 °C |
| **Mold Shrinkage (MD)** | 0.3% |
| **UL 94 Rating** | V-0 @ 0.75mm |

## Key Features

- High heat 200°C continuous
- Excellent chemical resistance
- Inherent flame retardancy
- Good dimensional stability

## Processing Conditions

| | |
|---|---|
| **Melt Temperature** | 300-330 °C |
| **Mold Temperature** | 130-170 °C |

| | |
|---|---|
| **Drying** | 4 h @ 150 °C in desiccant dryer |
| **Processing Methods** | Injection molding |

## Typical Applications

- Automotive under-hood
- Chemical process equipment
- SMT connectors
- Industrial components

## Regulatory & Compliance

- RoHS compliant
- REACH registered
- FDA food contact grades available

> Data from public manufacturer catalogs. Verify before procurement.

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