PPS RYTON R 10

Syensqo

Reference catalog 2026 - Upgraded Template

Resin Overview (Upgraded Template)

PPS · 聚苯烃硬酯 (Upgraded)

This Grade

Manufacturer	Syensqo
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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