PPS

Ryton® R-7-220NA Black

Syensqo

Position #114 • Jinsutong Reference Catalog 2026

Resin Overview

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

This Grade

Manufacturer	Syensqo
Category	PPS · 65% Glass/Mineral, Black
Typical Use	Very high filler loading, metal replacement

Key Properties

Density	1.95 g/cm³
Tensile Strength at Break	175 MPa
Tensile Modulus	20000 MPa
Elongation at Break	0.7%
HDT (1.8 MPa)	265 °C
Continuous Use Temperature	200 °C
Flexural Modulus	19000 MPa
Color	Black

Key Features

- 65% filler for highest stiffness
- Black pre-compounded
- 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

- High-stiffness metal replacement
- Precision structural parts
- Black high-temp automotive
- Premium IT structural

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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