PPA

Amodel® AF-4133

Syensqo

Position #115 · Jinsutong Reference Catalog 2026

Resin Overview

PPA · 33% Glass, Heat Stabilized. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Syensqo
Category	PPA · 33% Glass, Heat Stabilized
Typical Use	High-temp automotive, structural

Key Properties

Density	1.45 g/cm³
MVR (310°C/5 kg)	15 cm³/10min
Melting Point (DSC)	310 °C
Tensile Strength at Break	200 MPa
Tensile Modulus	11500 MPa
Elongation at Break	2.5%
HDT (1.8 MPa)	280 °C
Moisture Absorption (saturation)	2.5%

Key Features

- 33% glass fiber for stiffness
- High heat resistance 165-180°C continuous
- Low moisture vs PA66
- Suitable for automotive structural

Processing Conditions

Melt Temperature	320-340 °C
Mold Temperature	140-180 °C
Drying	4 h @ 120 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- Automotive structural parts
- High-temp connectors
- Industrial sensor bodies
- EV power electronics housings

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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