PPA

Amodel® EF-1000

Syensqo

Position #115 · Jinsutong Reference Catalog 2026

Resin Overview

PPA · Easy Flow, High Flow PPA. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Syensqo
Category	PPA · Easy Flow, High Flow PPA
Typical Use	Thin-wall connectors, SMT packages

Key Properties

Density	1.20 g/cm³
MVR (310°C/5 kg)	25 cm³/10min
Melting Point (DSC)	310 °C
Tensile Strength at Yield	100 MPa
Tensile Modulus	4000 MPa
Elongation at Break	5%
HDT (1.8 MPa)	275 °C
Moisture Absorption (saturation)	2.5%

Key Features

- High flow PPA for thin-wall and complex parts
- High heat resistance 160-180°C continuous
- Lower moisture than PA66
- Easy processing compared to standard PPA

Processing Conditions

Melt Temperature	310-330 °C
Mold Temperature	140-180 °C
Drying	4 h @ 120 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- Thin-wall SMT connectors
- Battery management system
- SMD components
- High-temperature electrical

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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