PPA

Zytel® HTN FR52G30LH

DuPont (now Celanese)

Position #116 · Jinsutong Reference Catalog 2026

Resin Overview

PPA · FR, 30% Glass, High Heat. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	DuPont (now Celanese)
Category	PPA · FR, 30% Glass, High Heat
Typical Use	FR SMT connectors, automotive electronics

Key Properties

Density	1.50 g/cm³
MVR (310°C/5 kg)	12 cm³/10min
Melting Point (DSC)	320 °C
Tensile Strength at Break	160 MPa
Tensile Modulus	10500 MPa
Elongation at Break	2.0%
HDT (1.8 MPa)	280 °C
UL 94 Rating	V-0 @ 0.4mm

Key Features

- Flame retardant PPA (V-0 at 0.4mm)
- 30% glass fiber for stiffness
- High HDT (280°C) for SMT reflow
- Good electrical insulation for connectors

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

- FR SMT power connectors
- Automotive ECU housings
- EV battery management boards
- High-voltage electrical components

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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