PPA

Zytel® HTN 51G35

DuPont (now Celanese)

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Resin Overview

PPA · 35% Glass, General. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	DuPont (now Celanese)
Category	PPA · 35% Glass, General
Typical Use	High-temp structural, electrical

Key Properties

Density	1.50 g/cm³
MVR (310°C/5 kg)	12 cm³/10min
Melting Point (DSC)	305 °C
Tensile Strength at Break	210 MPa
Tensile Modulus	12500 MPa
Elongation at Break	2.5%
HDT (1.8 MPa)	280 °C
Moisture Absorption (saturation)	2.5%

Key Features

- 35% glass fiber for high stiffness
- High heat 170°C continuous
- Lower moisture than PA66
- Good creep resistance

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 electrical connectors
- Industrial sensor bodies
- EV power electronics

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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