PPA

Zytel® HTN 92G45 Black

DuPont (now Celanese)

Position #111 • Jinsutong Reference Catalog 2026

Resin Overview

PPA · 45% Glass, Black, General. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	DuPont (now Celanese)
Category	PPA · 45% Glass, Black, General
Typical Use	45% glass black PPA for structural

Key Properties

Density	1.55 g/cm³
MVR (310°C/5 kg)	10 cm³/10min
Tensile Strength at Break	220 MPa
Tensile Modulus	15500 MPa
Elongation at Break	2.0%
HDT (1.8 MPa)	280 °C
Color	Black
Continuous Use Temperature	170 °C

Key Features

- 45% glass fiber for high stiffness
- Black pre-compounded
- High heat 170°C continuous
- DuPont/Celanese quality

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

- High-modulus structural parts
- Automotive black structural
- EV power electronics
- Premium black industrial

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

Contact
Mr. Mo Hailong · +86 138 1603 7020 · 13816037020@139.com

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