POM

Delrin® 100AF Blend

DuPont (now Celanese)

Position #107 · Jinsutong Reference Catalog 2026

Resin Overview

POM · PTFE Blend, Low Friction. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	DuPont (now Celanese)
Category	POM · PTFE Blend, Low Friction
Typical Use	Bearings, sliding parts, low-friction use

Key Properties

Density	1.54 g/cm³
MVR (190°C/2.16 kg)	10 cm³/10min
Tensile Strength at Yield	50 MPa
Tensile Modulus	2700 MPa
Elongation at Break	20%
HDT (1.8 MPa)	100 °C
Coefficient of Friction	0.15
Melting Point (DSC)	178 °C

Key Features

- PTFE blend for very low friction
- Self-lubricating for maintenance-free use
- Good wear resistance
- Suitable for unlubricated bearings

Processing Conditions

Melt Temperature	200-220 °C
Mold Temperature	80-100 °C
Drying	2 h @ 80 °C
Processing Methods	Injection molding

Typical Applications

- Unlubricated bearings and bushings
- Sliding guides and wear strips
- Office equipment gears
- Textile machinery parts

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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