POM DELRIN 500P

DuPont

Reference catalog 2026 - Upgraded Template

Resin Overview (Upgraded Template)

POM · 聚甲醛(亚甲醛) (Upgraded)

This Grade

Manufacturer	DuPont
Category	POM · 聚甲醛(亚甲醛) (Upgraded)
Typical Use	Reference grade for 聚甲醛(亚甲醛) (Upgraded)

Key Properties (8 metrics)

Density	1.42 g/cm3
MVR (190°C/2.16 kg)	12 cm3/10min
Tensile Strength at Yield	70 MPa
Tensile Modulus	3100 MPa
Elongation at Break	30%
Notched Izod Impact (23°C)	7 kJ/m2
HDT (1.8 MPa)	100 °C
Melting Point (DSC)	178 °C

Key Features

- High tensile strength and stiffness
- Low coefficient of friction
- High fatigue resistance
- Good chemical resistance to fuels

Processing Conditions

Melt Temperature	195-220 °C
Mold Temperature	70-100 °C

Drying	2 h @ 80 °C
Processing Methods	Injection molding, extrusion

Typical Applications

- Precision gears
- Bearings and bushings
- Automotive interior
- Consumer products

Regulatory & Compliance

- RoHS compliant
- REACH registered
- FDA food contact grades available

> Data from public manufacturer catalogs. Verify before procurement.

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