PVDF KYNAR 460

Arkema

Reference catalog 2026 - Upgraded Template

Resin Overview (Upgraded Template)

PVDF · 聚偏二甲基化乍烷 (Upgraded)

This Grade

Manufacturer	Arkema
Category	PVDF · 聚偏二甲基化乍烷 (Upgraded)
Typical Use	Reference grade for 聚偏二甲基化乍烷 (Upgraded)

Key Properties (8 metrics)

Density	1.78 g/cm3
MVR (230°C/5 kg)	8 g/10min
Melting Point (DSC)	172 °C
Tensile Strength at Yield	50 MPa
Elongation at Break	80%
HDT (0.45 MPa)	140 °C
Volume Resistivity	>1e14 Ω·cm
Dielectric Strength	60 kV/mm

Key Features

- Excellent chemical resistance
- High purity for semiconductor
- UV stable
- Inherent flame retardancy

Processing Conditions

Melt Temperature	200-260 °C
Mold Temperature	40-80 °C

Drying	4 h @ 100 °C in desiccant dryer
Processing Methods	Injection molding, extrusion

Typical Applications

- Chemical process piping
- Wire and cable insulation
- Semiconductor wet process
- PV backsheet film

Regulatory & Compliance

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

> Data from public manufacturer catalogs. Verify before procurement.

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