# PVDF KYNAR 740

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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