PVDF

Kynar Flex® 2800

Arkema

Position #111 · Jinsutong Reference Catalog 2026

Resin Overview

PVDF · PVDF-HFP, Very Flexible. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Arkema
Category	PVDF · PVDF-HFP, Very Flexible
Typical Use	Very flexible wire insulation, chemical tubing

Key Properties

Density	1.77 g/cm³
MVR (230°C/5 kg)	8 g/10min
Melting Point (DSC)	140 °C
Tensile Strength at Yield	28 MPa
Elongation at Break	500%
HDT (0.45 MPa)	80 °C
Tensile Modulus	1000 MPa
Dielectric Strength	55 kV/mm

Key Features

- PVDF-HFP for very high flexibility
- 500% elongation for flex use
- Chemical resistance
- Plenum-rated cable jacket

Processing Conditions

Melt Temperature	180-220 °C
Mold Temperature	40-80 °C
Drying	4 h @ 100 °C in desiccant dryer
Processing Methods	Extrusion, injection molding

Typical Applications

- Flexible wire insulation
- Chemical process tubing
- Plenum-rated cable jacket
- Flexible chemical handling

Regulatory & Compliance

- UL 910 plenum rated
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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