PVDF

Kynar Superflex® 2500

Arkema

Position #110 · Jinsutong Reference Catalog 2026

Resin Overview

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

This Grade

Manufacturer	Arkema
Category	PVDF · PVDF-HFP, Flexible Wire
Typical Use	Wire insulation, flexible cable jacket

Key Properties

Density	1.80 g/cm³
MVR (230°C/5 kg)	15 g/10min
Melting Point (DSC)	150 °C
Tensile Strength at Yield	32 MPa
Elongation at Break	450%
HDT (0.45 MPa)	85 °C
Volume Resistivity	>1e14 Ω·cm
Dielectric Strength	60 kV/mm

Key Features

- PVDF-HFP flexible copolymer
- Very high flexibility for wire
- High dielectric strength
- Plenum-rated cable jacket (CMP)

Processing Conditions

Melt Temperature	200-240 °C
Mold Temperature	40-80 °C
Drying	4 h @ 100 °C in desiccant dryer
Processing Methods	Extrusion (wire/cable), injection molding

Typical Applications

- Plenum-rated wire insulation
- Data center cable jacket
- EV high-voltage cable
- Industrial flexible cable

Regulatory & Compliance

- UL 910 plenum rated (CMP)
- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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