PVDF

Kynar Flex® 3120

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Position #115 · Jinsutong Reference Catalog 2026

Resin Overview

PVDF · Flexible Copolymer, Wire Insulation. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	undefined
Category	PVDF · Flexible Copolymer, Wire Insulation
Typical Use	Wire and cable insulation, flexible tubing

Key Properties

Density	1.74 g/cm³
MFR (230°C/5 kg)	8 g/10min
Melting Point (DSC)	160 °C
Tensile Strength at Yield	38 MPa
Elongation at Break	400%
HDT (0.45 MPa)	100 °C
Volume Resistivity	≥1×10¹⁴ Ω·cm
Dielectric Strength	60 kV/mm

Key Features

- Flexible PVDF-HFP copolymer
- Excellent chemical resistance
- High dielectric strength for wire insulation
- Good aging and UV resistance
- 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 and cable insulation
- EV high-voltage cable insulation
- Chemical process tubing
- Semiconductor wet process components
- Solar panel junction boxes

Regulatory & Compliance

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

> ⚠ **Market Reference Disclaimer** All data sourced from public manufacturer catalogs. Stock, pricing, and availability change frequently — please confirm with our business manager before procurement.

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