PVDF

Kynar® 500 FC

Arkema

Position #110 · Jinsutong Reference Catalog 2026

Resin Overview

PVDF · Food Contact, Natural. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Arkema
Category	PVDF · Food Contact, Natural
Typical Use	Food contact tubing, food processing

Key Properties

Density	1.78 g/cm³
MVR (230°C/5 kg)	5 g/10min
Melting Point (DSC)	178 °C
Tensile Strength at Yield	52 MPa
Elongation at Break	100%
HDT (0.45 MPa)	140 °C
FDA 21 CFR 177.2510	Compliant
NSF 61	Compliant

Key Features

- FDA food contact compliant
- NSF 61 certified for potable water
- High purity for food processing
- Good chemical resistance to cleaning agents

Processing Conditions

Melt Temperature	230-260 °C
Mold Temperature	N/A (extrusion)
Drying	4 h @ 100 °C in desiccant dryer
Processing Methods	Extrusion

Typical Applications

- Food contact tubing
- Food processing piping
- Potable water system
- Dairy processing equipment

Regulatory & Compliance

- FDA 21 CFR 177.2510
- NSF 61
- EU 10/2011

> ⚠ All data sourced from public manufacturer catalogs.

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