PVDF

Kynar® 1000

Arkema

Position #113 · Jinsutong Reference Catalog 2026

Resin Overview

PVDF · Homopolymer, Coating. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Arkema
Category	PVDF · Homopolymer, Coating
Typical Use	PVDF coating for chemical resistance

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	60%
HDT (0.45 MPa)	140 °C
Tensile Modulus	2000 MPa
Volume Resistivity	>1e14 Ω·cm

Key Features

- Homopolymer PVDF for coating
- Excellent chemical resistance
- High dielectric strength
- Suitable for chemical tank lining

Processing Conditions

Melt Temperature	230-260 °C
Mold Temperature	40-80 °C
Drying	4 h @ 100 °C in desiccant dryer
Processing Methods	Extrusion, injection molding

Typical Applications

- Chemical tank lining
- Pipe coating
- Wire and cable insulation
- PVDF coating applications

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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