PVDF

Kynar® 340

Arkema

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Resin Overview

PVDF · Chemical Process, Natural. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Arkema
Category	PVDF · Chemical Process, Natural
Typical Use	Chemical process components, pumps, valves

Key Properties

Density	1.78 g/cm³
MVR (230°C/5 kg)	2.5 g/10min
Melting Point (DSC)	178 °C
Tensile Strength at Yield	53 MPa
Elongation at Break	100%
HDT (0.45 MPa)	142 °C
Tensile Modulus	2000 MPa
Volume Resistivity	>1e14 Ω·cm

Key Features

- High viscosity for extrusion
- Superior chemical resistance
- High purity for semiconductor
- Good for piping and tubing

Processing Conditions

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

Typical Applications

- Chemical process piping
- Pump and valve components
- Semiconductor wet process
- Tank linings

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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