PVDF

Kynar ADL® 2010

Arkema

Position #119 · Jinsutong Reference Catalog 2026

Resin Overview

PVDF · Adhesive, Li-ion Battery. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Arkema
Category	PVDF · Adhesive, Li-ion Battery
Typical Use	PVDF binder for Li-ion battery cathode

Key Properties

Density	1.78 g/cm³
MVR (230°C/5 kg)	10 g/10min
Melting Point (DSC)	172 °C
Tensile Strength at Yield	50 MPa
Elongation at Break	100%
HDT (0.45 MPa)	140 °C
Melt Viscosity (230°C, 100s-1)	15-25 kPa·s
Battery Application	Li-ion cathode binder

Key Features

- PVDF binder for Li-ion battery
- High purity for battery use
- Good adhesion to current collector
- High electrochemical stability

Processing Conditions

Melt Temperature	220-250 °C
Mold Temperature	40-80 °C
Drying	4 h @ 100 °C in desiccant dryer
Processing Methods	Coating, extrusion

Typical Applications

- Li-ion battery cathode binder
- Battery separator coating
- High-purity PVDF applications
- EV battery components

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

Contact
Mr. Mo Hailong (莫海龙) — Business Manager · +86 138 1603 7020 · 13816037020@139.com
Shanghai Jinsutong Plastics Co., Ltd. · 1st Building, 5601 Yanqian Road, Fengxian District, Shanghai

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