

Kynar® ADX

polyvinylidene fluoride

PRODUCT INFORMATION

KYNAR® ADX: THE FLUOROPOLYMER THAT STICKS

KYNAR® ADX RESIN STICKS TO:

POLYAMIDES METALS POLYOLEFINS

POLYURETHANES RUBBERS

WHILE MAINTAINING THE PERFORMANCE
OF KYNAR® PVDF.

KYNAR® ADX MARKETS

PHARMACEUTICAL/CPI ▼

KYNAR® ADX resin can be used as a part of a multilayer pipe for the transport of corrosive, highly permeable or high purity substances. Or, it can be used as a chemically resistant coating for vessels and other structures.



ARCHITECTURAL ▲

KYNAR® ADX resin can be applied as a protective coating or film lamination.



CHEMICAL/OIL & GAS/ AUTOMOTIVE HOSES, TUBES AND PIPES ▲

KYNAR® ADX resin can be used as a protective barrier layer in down-hole and off-shore multilayer pipes.

Kynar® ADX can also be used as a barrier layer in fuel lines.

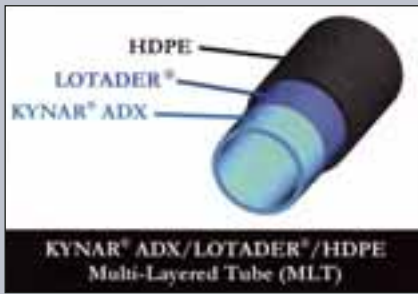
FOOD & BEVERAGE ▲

Multilayered pipe for drinking water and beverage transportation can be formed using a layer of KYNAR® ADX resin for strength and permeation resistance.

HI-TECH ▲

KYNAR® ADX resin can be used as an adhesion promoter in lithium ion battery electrodes.

KYNAR® ADX RESIN IS CHEMICALLY RESISTANT AND PROVIDES EXCELLENT BARRIER PROPERTIES



Grade	Permeability of M15* at 104°F, (40°C) (g/m ² /day)
KYNAR® ADX	2.5
ETFE	2.5
EFEP	6.0

* Fuel C + 15% Ethanol

KYNAR® ADX REACTIVE PVDF

KYNAR® ADX resin is the newest family of KYNAR® PVDF. It was designed to bond to polyamides, polyolefins, and metals. It is available in pellet or powder form. KYNAR® ADX 100 series resin is highly reactive and particularly well suited for solvent and powder coating processes. KYNAR® ADX 1000 series resin is specially designed for high adhesion in co-extrusion processes. It is available with various flexibilities, melting points and viscosities.

PROCESSING

RECOMMENDATIONS

COEXTRUSION

KYNAR® ADX resin can be coextruded with cost-effective polyolefins and high performance engineering plastics to fine-tune mechanical, chemical and barrier properties to specific applications.

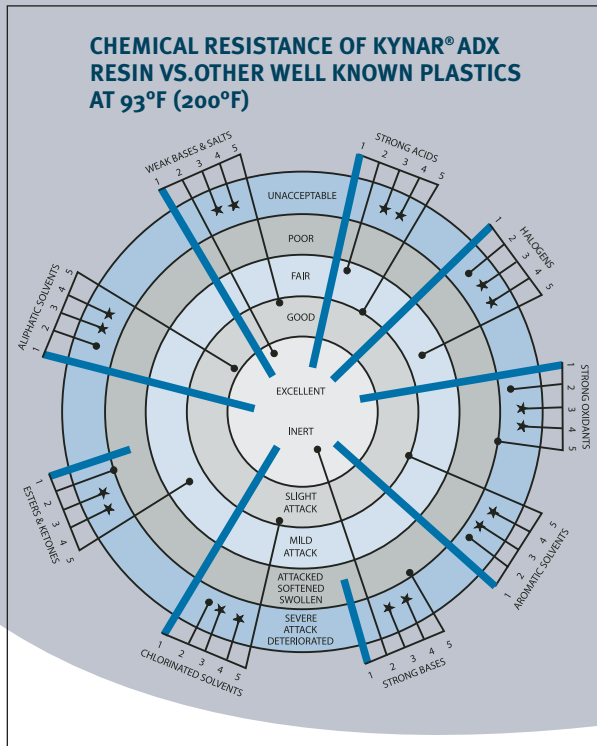
SOLVENT CASTING

KYNAR® ADX resin can be used as a high adhesion primer. It can be formulated to adjust its performance properties.

POWDER COATING

KYNAR® ADX offers excellent adhesion to steel or aluminum, offering a highly durable coating that is superior to stainless steel in chemical resistance.

CHEMICAL RESISTANCE OF KYNAR® ADX RESIN VS. OTHER WELL KNOWN PLASTICS AT 93°F (200°F)



KYNAR® ADX RESIN MAINTAINS THE GREAT PROPERTIES OF KYNAR® PVDF.

- Superb chemical and abrasion resistance
- Excellent melt and solvent processability
- Exceptional barrier properties
- UV degradation resistance
- Very low permeability to hydrocarbon-based fuels, acids and halogens
- Wide processing window
- High mechanical strength

1. Kynar® ADX polyvinylidene fluoride-Type 1
 2. Polypropylene
 3. Polyvinylidene chloride
 4. Polyvinyl chloride*
 5. Polyester (glass fiber reinforced)
 *Above recommended operating temperature of plastic

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Arkema Inc. 2000 Market Street
 Philadelphia, PA 19103-3222
 Tel.: 215-596-270
 www.arkemagroup.com

Arkema
 4 cours Michelet - Cedex 42
 92091 Paris la Défense 10
 France
 Tel: 33 1 49 00 78 42

Arkema Pte Ltd
 53 Tuas Crescent
 Singapore 638732
 Tel: 65 6419 9199

www.kynarADX.com