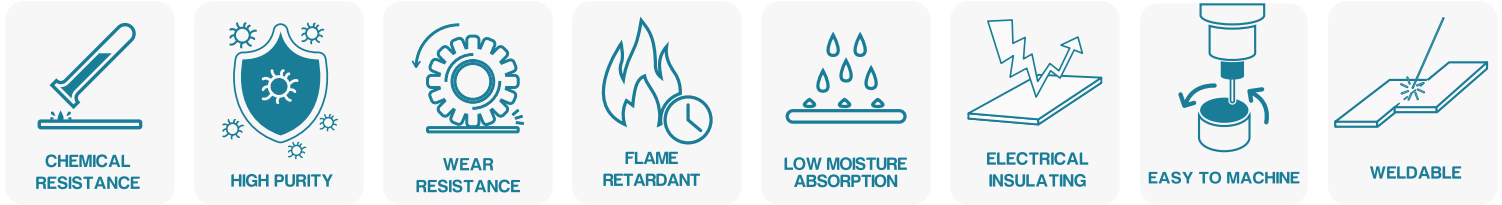


PVDF KYNAR® 740

Chemical & UV Resistant

Kynar® is a Registered Trademark of Westlake Plastics Co.

KYNAR polyvinylidene fluoride is a tough engineering thermoplastic that offers a unique balance of performance properties. It has the characteristic stability of fluoropolymers when exposed to harsh thermal, chemical and ultraviolet environments. KYNAR is also inherently UV stable, mechanically tough, abrasion and flame resistant. Resin meets the requirements of FDA, USDA, USPXX Class VI, 3A, UL, V-0, FM 4910



Property	Units	Test Standard	Kynar 740	Kynar 2850
Mechanical				
Flexural Modulus	psi	ASTM D790	200,000-335,000	150,000-180,000
Flexural Strength	psi	ASTM D790	8,500-11,000	3,000-5,000
Hardness-Shore D	D Scale	ASTM D2240	D76-D80	D70-D75
Izod Impact Strength				
Notched	ft-lbs/in	ASTM D256	1.8-4	2-8
Un-Notched	ft-lbs/in	ASTM D256	20.0-80.0	No Break
Tensile Elongation				
@break	%	ASTM D638	20-100	200
@yield	%	ASTM D638	7.0-13.0	10.0-20.0
Tensile Modulus	psi	ASTM D638	200,000-335,000	150,000-220,000
Tensile Strength @yield	psi	ASTM D638	6,500-8,000	4,500-6,000
Thermal				
Coefficient of Thermal Expansion	in/in/°F	ASTM D696	6.6x10 ⁻⁵	7.0x10 ⁻³
Continuous Use Temperature	°F	—	280	240
Flammability Rating	—	UL94	V-0	V-0
	—	UL2360	Class II	—
	—	FM4910	Listed	Listed
Heat Deflection Temperature				
@66 psi	°F	ASTM D648	257-284	140-167
@264 psi	°F	ASTM D648	221-239	100-131
Limiting Oxygen Index	%	ASTM D2868	75	43
Melt Temperature	°F	ASTM D4591	329-342	311-320
Electrical				
Dielectric Constant @1kHz	—	ASTM D150	4.5-9.5	3.5-10.2
Dielectric Strength @5mil	V/mil	ASTM D149	1,600	—
Volume Resistivity	ohm-cm	ASTM D257	2.0x10 ¹⁴	2.0x10 ¹⁴
Other				
Specific Gravity	—	ASTM D792	1.78	1.78
Water Absorption @24 hours	%	ASTM D570	0.03	0.04

Applications Include:

- Semiconductor Packaging, Process and Testing Components
- Semiconductor Wet Processing Components
- Chemical Process/Storage tanks
- Chemical tank liners
- Corrosive Fluid handling
- Fire-safe componentry
- DI Water Systems
- Electrical Insulating Components
- Radiation Barriers
- Metal Replacement

Manufacturing Capabilities:



Colors:

Natural Beige

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