



** KYNAR® is the registered trademark of

WESTLAKE PLASTICS COMPANY

PRODUCT CAPABILITIES:

- Rod : 1/4" - 12"
- Heavy Gauge Sheet : 3/16" - 4"
- Thin Gauge Sheet : 0.030" - 1/8"
- Film : 0.002" - 0.029"

ADVANTAGES:

- High Purity
- Resistant To Most Chemicals And Solvents
- Mechanically Strong And Tough
- Thermally Stable
- Stable To UV And The Effects Of Weather
- Can Withstand Both High Pressures And Vacuums
- Easily Fabricated Into Finished Parts
- Flame Retardant
- FDA, USDA, USP Class VI, And 3A Compliant

PRODUCT COLORS:

- White

APPLICATIONS INCLUDE:

- Tanks And Process Equipment, Tank Linings
- Pumps And Valve Components, Pipe Flanges And Spacers.
- Components For Wet Process Stations
- Food Trays For High Heat Applications

GENERAL PROPERTIES	ASTM or UL Test	KYNAR® PVDF Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.78
Water Absorption, 24 hrs (%)	D570	0.03
MECHANICAL		
Tensile Strength (psi)	D638	7,105
Tensile Modulus (psi)	-	-
Tensile Elongation (%)	D638	250
Flexural Strength (psi)	D790	-
Flexural Modulus (psi)	D790	130,000
Compressive Strength (psi)	D695	-
Compressive Modulus (psi)	D695	-
Hardness, Shore D	ISO 868	D80
IZOD Notched Impact (J/m)	D256	160
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	-
Heat Deflection Temp (°F / °C) @ 264 psi	TMA	241 / 116
Melting Temp (°F / °C)	ISO R-527	336 / 169
Max Operating Temp (°F / °C)	-	300 / 149
Thermal Conductivity (W/m°C)	-	0.18
Flammability Rating	UL94	V-0
ELECTRICAL		
Dielectric Strength (V/mil) short time, @ 1/8" thk	D149	1,600
Dielectric Constant at 10 ³ Hz	D150	9.0
Dissipation Factor at 60 Hz	D150	-
Volume Resistivity (ohm-cm) at 50% RH	D257	1.50 x 10 ¹⁴

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.