



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 740 Typical Values	KYNAR® PVDF 1000 Typical Values
PHYSICAL			
Specific Gravity (g/cm ³)	D792	1.78	1.78
Water Absorption, 24 hrs (%)	D570	–	0.03
MECHANICAL			
Tensile Strength	D638	52.4 MPa	55
Tensile Modulus	D638	2138 MPa	1950 MPa
Tensile Elongation (%)	D638	30	8
Flexural Strength (psi)	D790	–	–
Flexural Modulus (psi)	D790	–	–
Compressive Strength (psi)	D695	–	–
Compressive Modulus (psi)	D695	–	–
Hardness, Shore D	ISO 868	–	D78
IZOD Notched Impact	D256	3.0 ft/lb	No Break
THERMAL			
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	–	–
Heat Deflection Temp (°F / °C) @ 264 psi	D648	221 / 105	–
Melting Temp (°F / °C)	ISO R-527	–	–
Max Operating Temp (°F / °C)	–	–	284 / 140
Thermal Conductivity (W/m°C)	–	–	–
Flammability Rating	UL94	–	–
ELECTRICAL			
Dielectric Strength	D149	–	25 kV/mm
Dielectric Constant at 10 ³ Hz	D150	–	–
Dissipation Factor at 60 Hz	D150	–	–
Volume Resistivity (ohm-cm) at 50% RH	D257	–	–
Surface Resistivity (Ohm)	IEC 60093	–	10 ¹³

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.