

## DATA SHEET

# PVDF KYNAR

<b>PHYSICAL</b>	
SPECIFIC GRAVITY	1.75 - 1.79
WATER ABSORPTION, 24 hr. (%)	.04
<b>MECHANICAL</b>	
<b>TENSILE</b>	
Strength, Yield (10 <sup>3</sup> psi) @ 73°F.	5 - 7
Elongation, Ultimate (%) @ 73°F.	50 - 250
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	200 - 350
<b>FLEXURAL</b>	
Strength, (10 <sup>3</sup> psi) @ 73°F.	8.6 - 16
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	180 - 337
<b>COMPRESSIVE STRENGTH</b>	
2% Offset, (10 <sup>3</sup> psi)	
<b>IMPACT STRENGTH</b>	
Izod, Notched (ft. - lb./in.) @ 73°F.	3 - 6
<b>HARDNESS</b>	D76 - 80
<b>COEFFICIENT OF STATIC FRICTION</b>	
Against self	
Against steel	.14 - .17
<b>THERMAL</b>	
<b>CONDUCTIVITY</b>	
(BTU/hr/sq. ft./Degree F./in.)	.70 - .87
<b>COEFF. OF THERMAL EXPANSION</b>	
(10 <sup>-5</sup> /Degree F.)	6.6
<b>SPECIFIC HEAT</b>	
(BTU/lb./Degree F.)	.30 - .34
<b>HEAT DEFLECTION TEMP.</b>	
(Degree F.)	
At 66 psi.	257 - 284
At 264 psi	188 - 239
<b>MAX. CONTINUOUS TEMP. (F.°)</b>	300
<b>ELECTRICAL</b>	
<b>VOLUME RESISTIVITY</b>	
(Ohm/cm)	5 X 10 <sup>14</sup>
<b>DIELECTRIC STRENGTH</b>	
(V/Mil)	260 - 1280
<b>DIELECTRIC CONSTANT</b>	
At 60 HZ	10
At 1 MHZ	7.5
<b>DISSIPATION FACTOR</b>	
At 60 HZ	.05
At 1 MHZ	.184
<b>ARC RESISTANCE (seconds)</b>	300