

DATA SHEET

DAIKIN PCTFE AKA 3M KEL-F

**PHYSICAL**

SPECIFIC GRAVITY	2.08 - 2.185
WATER ABSORPTION, 24 hr. (%)	0

**MECHANICAL**

<b>TENSILE</b>	
Strength, Yield (10 <sup>3</sup> psi) @ 73°F.	5.7
Elongation, Ultimate (%) @ 73°F.	150
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	207
<b>FLEXURAL</b>	
Strength, (10 <sup>3</sup> psi) @ 73°F.	8.5
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	180
<b>COMPRESSIVE STRENGTH</b>	
2% Offset, (10 <sup>3</sup> psi)	5.5
<b>IMPACT STRENGTH</b>	
Izod, Notched (ft. - lb./in.) @ 73°F.	5
<b>HARDNESS</b>	
COEFFICIENT OF STATIC FRICTION	D75
Against self	
Against steel	

**THERMAL**

<b>CONDUCTIVITY</b>	
(BTU/hr/sq. ft./Degree F./in.)	1
<b>COEFF. OF THERMAL EXPANSION</b>	
(10 <sup>-5</sup> /Degree F.)	3.99
<b>SPECIFIC HEAT</b>	
(BTU/lb./Degree F.)	.215
<b>HEAT DEFLECTION TEMP.</b>	
(Degree F.)	
At 66 psi.	258
At 264 psi	167
MAX. CONTINUOUS TEMP. (F.°)	380

**ELECTRICAL**

<b>VOLUME RESISTIVITY</b>	
(Ohm/cm)	1.2 X 10 <sup>18</sup>
<b>DIELECTRIC STRENGTH</b>	
(V/Mil)	500
<b>DIELECTRIC CONSTANT</b>	
At 60 HZ	3
At 1 MHZ	2.5
<b>DISSIPATION FACTOR</b>	
At 60 HZ	.005
At 1 MHZ	.007

**ARC RESISTANCE (seconds)**

360



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