

# DATA SHEET

# PES

<b>PHYSICAL</b>	
SPECIFIC GRAVITY	1.37
WATER ABSORPTION, 24 hr. (%)	.43
<b>MECHANICAL</b>	
<b>TENSILE</b>	
Strength, Yield (10 <sup>3</sup> psi) @ 73°F.	12.2
Elongation, Ultimate (%) @ 73°F.	40
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	354
<b>FLEXURAL</b>	
Strength, (10 <sup>3</sup> psi) @ 73°F.	18.65
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	373
<b>COMPRESSIVE STRENGTH</b>	
2% Offset, (10 <sup>3</sup> psi)	
<b>IMPACT STRENGTH</b>	
Izod, Notched (ft. - lb./in.) @ 73°F.	1.6
<b>HARDNESS</b>	M88
<b>COEFFICIENT OF STATIC FRICTION</b>	
Against self	
Against steel	.29
<b>THERMAL</b>	
<b>CONDUCTIVITY</b>	
(BTU/hr/sq. ft./Degree F./in.)	1.9
<b>COEFF. OF THERMAL EXPANSION</b>	
(10 <sup>-5</sup> /Degree F.)	3.1
<b>SPECIFIC HEAT</b>	
(BTU/lb./Degree F.)	
<b>HEAT DEFLECTION TEMP.</b>	
(Degree F.)	
At 66 psi.	
At 264 psi	400
<b>MAX. CONTINUOUS TEMP. (F.°)</b>	400
<b>ELECTRICAL</b>	
<b>VOLUME RESISTIVITY</b>	
(Ohm/cm)	10 <sup>17</sup> - 10 <sup>18</sup>
<b>DIELECTRIC STRENGTH</b>	
(V/Mil)	400
<b>DIELECTRIC CONSTANT</b>	
At 60 HZ	3.5
At 1 MHZ	3.5
<b>DISSIPATION FACTOR</b>	
At 60 HZ	.001
At 1 MHZ	.006
<b>ARC RESISTANCE (seconds)</b>	<b>116</b>