

## DATA SHEET

# ARDEL

<b>PHYSICAL</b>		
SPECIFIC GRAVITY		1.19 - 1.22
WATER ABSORPTION, 24 hr. (%)		.26 - .27
<b>MECHANICAL</b>		
<b>TENSILE</b>		
Strength, Yield (10 <sup>3</sup> psi) @ 73°F.		9.9 - 10
Elongation, Ultimate (%) @ 73°F.		25 - 50
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.		285 - 305
<b>FLEXURAL</b>		
Strength, (10 <sup>3</sup> psi) @ 73°F.		11.0 - 14.5
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.		300 - 310
<b>COMPRESSIVE STRENGTH</b>		
2% Offset, (10 <sup>3</sup> psi)		12.0 - 12.9
<b>IMPACT STRENGTH</b>		
Izod, Notched (ft. - lb./in.) @ 73°F.		4.1 - 5.5
<b>HARDNESS</b>		
COEFFICIENT OF STATIC FRICTION		M87/R122
Against self		
Against steel		
<b>THERMAL</b>		
<b>CONDUCTIVITY</b>		
(BTU/hr/sq. ft./Degree F./in.)		1.26 - 1.47
<b>COEFF. OF THERMAL EXPANSION</b>		
(10 <sup>-5</sup> /Degree F.)		2.7 - 3.5
<b>SPECIFIC HEAT</b>		
(BTU/lb./Degree F.)		.31 - 40
<b>HEAT DEFLECTION TEMP.</b>		
(Degree F.)		
At 66 psi.		340 - 355
At 264 psi		311 - 345
MAX. CONTINUOUS TEMP. (F.°)		
<b>ELECTRICAL</b>		
<b>VOLUME RESISTIVITY</b>		
(Ohm/cm)		1.2 X 10 <sup>16</sup>
<b>DIELECTRIC STRENGTH</b>		
(V/Mil)		400 - 610
<b>DIELECTRIC CONSTANT</b>		
At 60 HZ		3.08 - 3.34
At 1 MHZ		2.96 - 3.32
<b>DISSIPATION FACTOR</b>		
At 60 HZ		.0001 - .002
At 1 MHZ		.004 - .023
<b>ARC RESISTANCE (seconds)</b>		<b>125</b>