

## DATA SHEET

# POLYCARBONATE OR GE/SABIC LEXAN POLYCARBONATE

<b>PHYSICAL</b>	
SPECIFIC GRAVITY	1.2
WATER ABSORPTION, 24 hr. (%)	.15 - .18
<b>MECHANICAL</b>	
TENSILE	
Strength, Yield (10 <sup>3</sup> psi) @ 73°F.	8 - 95
Elongation, Ultimate (%) @ 73°F.	100 - 130
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	300 - 350
FLEXURAL	
Strength, (10 <sup>3</sup> psi) @ 73°F.	12.2 - 12.7
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	320 - 350
COMPRESSIVE STRENGTH	
2% Offset, (10 <sup>3</sup> psi)	
IMPACT STRENGTH	
Izod, Notched (ft. - lb./in.) @ 73°F.	
HARDNESS	R115 - R115
COEFFICIENT OF STATIC FRICTION	
Against self	
Against steel	
<b>THERMAL</b>	
CONDUCTIVITY	
(BTU/hr/sq. ft./Degree F./in.)	
COEFF. OF THERMAL EXPANSION	
(10 <sup>-5</sup> /Degree F.)	
SPECIFIC HEAT	
(BTU/lb./Degree F.)	
HEAT DEFLECTION TEMP.	
(Degree F.)	
At 66 psi.	
At 264 psi	265 - 285
MAX. CONTINUOUS TEMP. (F.°)	250
<b>ELECTRICAL</b>	
VOLUME RESISTIVITY	
(Ohm/cm)	
DIELECTRIC STRENGTH	
(V/Mil)	
DIELECTRIC CONSTANT	
At 60 HZ	2.97 - 3.17
At 1 MHZ	
DISSIPATION FACTOR	
At 60 HZ	
At 1 MHZ	
<b>ARC RESISTANCE (seconds)</b>	<b>10 - 120</b>