DATA SHEET

ABS

PHYSICAL	
SPECIFIC GRAVITY	1.05 - 1.07
WATER ABSORPTION, 24 hr. (%)	0.2 - 0.45
MECHANICAL	
TENSILE	
Strength, Yield (10^3 psi) @ 73°F.	6.3 - 8.0
Elongation, Ultimate (%) @ 73°F.	5 - 20
Modulus, Yield (10^3 psi) @ 73°F.	330 - 400
FLEXURAL	
Strength, (10^3 psi) @ 73°F.	9.9 - 11.8
Modulus, Yield (10^3 psi) @ 73°F.	350 - 400
COMPRESSIVE STRENGTH	
2% Offset, (10^3 psi)	10.5 - 11.0
IMPACT STRENGTH	
Izod, Notched (ft. - lb./in.) @ 73°F.	2.0 - 4.0
HARDNESS	R108 - 115
COEFFICIENT OF STATIC FRICTION	
Against self	
Against steel	
THERMAL	
CONDUCTIVITY	
(BTU/hr/sq. ft./Degree F./in.)	0.96 - 2.16
COEFF. OF THERMAL EXPANSION	
(10^{-5}/Degree F.)	3.2 - 4.8
SPECIFIC HEAT	
(BTU/lb./Degree F.)	
HEAT DEFLECTION TEMP.	
(Degree F.)	
At 66 psi.	215 - 225
At 264 psi	185 - 223
MAX. CONTINUOUS TEMP. (F.°)	
ELECTRICAL	
VOLUME RESISTIVITY	
(Ohm/cm)	2.7×10^{16}
DIELECTRIC STRENGTH	
(V/Mil)	385
DIELECTRIC CONSTANT	
At 60 HZ	2.8 - 3.2
At 1 MHZ	2.75 - 3.0
DISSIPATION FACTOR	
At 60 HZ	0.003 - 0.006
At 1 MHZ	0.008 - 0.009
ARC RESISTANCE (seconds)	119

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