

DATA SHEET

ACRYLIC

PHYSICAL	
SPECIFIC GRAVITY	1.18
WATER ABSORPTION, 24 hr. (%)	.2 - .4
MECHANICAL	
TENSILE	
Strength, Yield (10 ³ psi) @ 73°F.	8 - 11
Elongation, Ultimate (%) @ 73°F.	2 - 7
Modulus, Yield (10 ³ psi) @ 73°F.	350 - 450
FLEXURAL	
Strength, (10 ³ psi) @ 73°F.	12 - 17
Modulus, Yield (10 ³ psi) @ 73°F.	390 - 475
COMPRESSIVE STRENGTH	
2% Offset, (10 ³ psi)	
IMPACT STRENGTH	
Izod, Notched (ft. - lb./in.) @ 73°F.	
HARDNESS	M80 - M100
COEFFICIENT OF STATIC FRICTION	
Against self	
Against steel	
THERMAL	
CONDUCTIVITY	
(BTU/hr/sq. ft./Degree F./in.)	
COEFF. OF THERMAL EXPANSION	
(10 ⁻⁵ /Degree F.)	
SPECIFIC HEAT	
(BTU/lb./Degree F.)	
HEAT DEFLECTION TEMP.	
(Degree F.)	
At 66 psi.	
At 264 psi	160 - 215
MAX. CONTINUOUS TEMP. (F.°)	140 - 200
ELECTRICAL	
VOLUME RESISTIVITY	
(Ohm/cm)	
DIELECTRIC STRENGTH	
(V/Mil)	
DIELECTRIC CONSTANT	
At 60 HZ	
At 1 MHZ	
DISSIPATION FACTOR	
At 60 HZ	
At 1 MHZ	
ARC RESISTANCE (seconds)	No Track