

DATA SHEET

HYDLAR G

PHYSICAL

SPECIFIC GRAVITY	1.25
WATER ABSORPTION, 24 hr. (%)	< .08

MECHANICAL

TENSILE	
Strength, Yield (10 ³ psi) @ 73°F.	12.0
Elongation, Ultimate (%) @ 73°F.	
Modulus, Yield (10 ³ psi) @ 73°F.	1400
FLEXURAL	
Strength, (10 ³ psi) @ 73°F.	18
Modulus, Yield (10 ³ psi) @ 73°F.	1100
COMPRESSIVE STRENGTH	
2% Offset, (10 ³ psi)	
IMPACT STRENGTH	
Izod, Notched (ft. - lb./in.) @ 73°F.	2.6
HARDNESS	
COEFFICIENT OF STATIC FRICTION	
Against self	
Against steel	

THERMAL

CONDUCTIVITY	
(BTU/hr/sq. ft./Degree F./in.)	1.5
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	485
MAX. CONTINUOUS TEMP. (F.°)	

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)

