

DATA SHEET

DELTRIN AF

PHYSICAL	
SPECIFIC GRAVITY	1.54
WATER ABSORPTION, 24 hr. (%)	.20
MECHANICAL	
TENSILE	
Strength, Yield (10 ³ psi) @ 73°F.	6.9 - 7.6
Elongation, Ultimate (%) @ 73°F.	15 - 22
Modulus, Yield (10 ³ psi) @ 73°F.	420
FLEXURAL	
Strength, (10 ³ psi) @ 73°F.	10.3 - 10.5
Modulus, Yield (10 ³ psi) @ 73°F.	340 - 350
COMPRESSIVE STRENGTH	
2% Offset, (10 ³ psi)	4.5
IMPACT STRENGTH	
Izod, Notched (ft. - lb./in.) @ 73°F.	.7 - 1.0
HARDNESS	
COEFFICIENT OF STATIC FRICTION	M78
Against self	
Against steel	0.08
THERMAL	
CONDUCTIVITY	
(BTU/hr/sq. ft./Degree F./in.)	
COEFF. OF THERMAL EXPANSION	
(10 ⁻⁵ /Degree F.)	5.8 - 6.8
SPECIFIC HEAT	
(BTU/lb./Degree F.)	
HEAT DEFLECTION TEMP.	
(Degree F.)	
At 66 psi.	334
At 264 psi	244
MAX. CONTINUOUS TEMP. (F.°)	195
ELECTRICAL	
VOLUME RESISTIVITY	
(Ohm/cm)	3 X 10 ¹⁶
DIELECTRIC STRENGTH	
(V/Mil)	400
DIELECTRIC CONSTANT	
At 60 HZ	
At 1 MHZ	3.1
DISSIPATION FACTOR	
At 60 HZ	
At 1 MHZ	0.009
ARC RESISTANCE (seconds)	183