

DATA SHEET

CPVC

PHYSICAL	
SPECIFIC GRAVITY	1.55
WATER ABSORPTION, 24 hr. (%)	.05
MECHANICAL	
TENSILE	
Strength, Yield (10 ³ psi) @ 73°F.	8.4
Elongation, Ultimate (%) @ 73°F.	4.5 - 65
Modulus, Yield (10 ³ psi) @ 73°F.	425
FLEXURAL	
Strength, (10 ³ psi) @ 73°F.	15.6
Modulus, Yield (10 ³ psi) @ 73°F.	474
COMPRESSIVE STRENGTH	
2% Offset, (10 ³ psi)	
IMPACT STRENGTH	
Izod, Notched (ft. - lb./in.) @ 73°F.	1 - 5.6
HARDNESS	
COEFFICIENT OF STATIC FRICTION	R118
Against self	
Against steel	
THERMAL	
CONDUCTIVITY	
(BTU/hr/sq. ft./Degree F./in.)	.95
COEFF. OF THERMAL EXPANSION	
(10 ⁻⁵ /Degree F.)	
SPECIFIC HEAT	
(BTU/lb./Degree F.)	
HEAT DEFLECTION TEMP.	
(Degree F.)	
At 66 psi.	238
At 264 psi	221
MAX. CONTINUOUS TEMP. (F.°)	
ELECTRICAL	
VOLUME RESISTIVITY	
(Ohm/cm)	10 ¹⁵
DIELECTRIC STRENGTH	
(V/Mil)	1220 - 1500
DIELECTRIC CONSTANT	
At 60 HZ	3.08
At 1 MHZ	3.2 - 3.6
DISSIPATION FACTOR	
At 60 HZ	.018 - .02
At 1 MHZ	.020
ARC RESISTANCE (seconds)	