

Average Physical Properties

Property†	@ 75°F	@ 275°F
Axial Tensile – ASTM D2105		
Ultimate Stress (psi)	29,000	17,500
Modulus of Elasticity	1.9E+06	1.5E+06
Beam Bending – ASTM D2925		
Ultimate Stress (psi)	42,000	25,000
Modulus of Elasticity (long term)	4.0E+06	8.0E+05
Coefficient of Linear Thermal Expansion – ASTM D696		
Non-Insulated Pipe:	9.2 E-06 in./in./°F	
Insulated Pipe:	1.04 E-05 in./in./°F	
Thermal Conductivity	0.09 BTU/(ft)(hr)(°F)	

* All values are nominal. Tolerances or maximum/minimum limits can be obtained from Smith Fibercast.

† Values for 1-1/2" - 8".