



Richlite Properties

Density

75.84 pounds per cubic foot or
.0439 per cubic inch

Water Absorption

75.84 pounds per cubic foot or
.0439 per cubic inch

Specific Gravity

1.213, which means that Richlite is 21% heavier than water by volume

Thermal Properties

Coeff. of Thermal Expansion in X Dir (min/in. ∞ F).....5.2
Coeff. of Thermal Expansion in Y Dir (min/in. ∞ F)12.8
Coeff. of Thermal Expansion in Z Dir (min/in. ∞ F)45.9/73.5”
Thermal Conductivity (Cal cm/cm2 sec ∞ C).....0.00051

Tensile Strength

X Direction (psi).....19,200
Y Direction (psi)13,100

Compressive Strength

X Direction (psi)18,400
Strain @ Failure7.09%
Y Direction (psi)15,900
Strain @ Failure.....7.15%
Z Direction (psi)30,000
Strain at Failure 20%

Flexural Strength (Face in Tension)

X Direction (psi).....22,000
Y Direction (psi)17,300

Flexural Strength (Edge in Tension)

X Direction (psi).....20,400
Y Direction (psi)16,100

Izod Impact (Face Impact)

X Direction (ft. lb. Per Inch of Width).....2.48
Y Direction (ft. lb. Per Inch of Width).....1.46

Izod Impact (Edge Impact)

X Direction (ft. lb. Per Inch of Width).....0.68
Y Direction (ft. lb. Per Inch of Width).....0.62