



Skatelite Properties

Density

75.84 pounds per cubic foot or
.0439 per cubic inch

Water Absorption

1.55% by weight

Specific Gravity

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

Thermal Properties

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

Tensile Strength

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

Compressive Strength

X Direction (psi)	15,900
Strain @ Failure	7.15%
Y Direction (psi)	18,400
Strain @ Failure	7.09%
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