

PRODUCT DATA



TOLERANCES

Dimensional - all directions	+/- 1/8"
Thickness - skin	+/- 1/16" / -0
Thickness - total unit	+/- 1/8"
Warpage or bowing	+/- 1/16" per foot

PHYSICAL PROPERTIES

Shell Thickness Ceiling Mount Material	1/8" to 3/16"
Shell Thickness Wall & Floor Mount Material	3/16" to 1/4"
Weight (depending on reinforcing)	1 - 2 lbs/sq ft
Density	103 - 112 lbs/cu ft
Ultimate Tensile Strength	1200 - 1400 psi
Mod. of Elasticity in Tension	2.7 - 3.8 x 10 ⁶ psi
Mod of Elasticity in Flexure	2.1 - 2.2 x 10 ⁵ psi
Glass Content	5 - 6% by weight
Impact Strength	8.0 - 8.8 ft lbs/in ²
Rockwell hardness	M72
Instron Failure Test (built in furring)	288 lbs min
Fastener Test Pullout (wood stud)	525 lbs avg
Fastener Test Pullout (metal stud)	215 lbs avg
Fastener Test Push Through	350 lbs avg
Uniform Load @ 25 PSF (Deflection in inches)	0.053 in avg
Racking Test @ 1,400 Load Pounds (Deflection in inches)	1.104 in / No Failure
Compression Test @ 8,000 PSF (Deflection in inches)	0.004 / No Visible Damage
Flexural Test @ 360 PSF (Deflection in inches)	0.350 / No Failure
Fuel Contribution (ASTM E84-800)	0
Flame Spread (ASTM E84-80)	0
Smoke Index (ASTM E84-80)	0
Combustion (ASTM E-136)	non-combustible
Thermal Coefficient of Expansion	8.3 x 10 ⁻⁶ in/in/°F