

SHEET WEIGHT FORMULAS

How to Determine the Weight of a Particular Thermoset Material Sheet

Sheet only — glass epoxy and phenolic laminates.

■ Glass-Based

Multiply thickness × width × length & divide by 14.4 (cubic inches per pound).

Example: FR-4: $.500" \times 36 \times 48 / 14.4 = 60 \text{ lbs}$ for the sheet.

■ Phenolic

Same formula as glass-based above, but divide by 20.

Example: XXX: $.500" \times 36 \times 48 / 20 = 43.2 \text{ lbs}$.

**Some glass grades, like G3, don't calculate precisely. More common grades convey closer results.*

Try the Sheet Weight Calculator

Estimate sheet weight for glass epoxy and phenolic materials using thickness, width, and length in inches.

