

Aluminum foil Lab

Density of Al = 2.71 g/cm^3 $1000 \text{ mm}^3 = 1 \text{ cm}^3$

Foil type	Length (mm)	Width (mm)	Area (mm ²)	Mass (grams)	Density (g/mm ³)	Volume (mm ³)	Thickness (mm)
Light							
Light							
Light							
						Average thickness	
Heavy							
Heavy							
Heavy							
						Average thickness	

25.4 mm = 1 inch

Find the average thickness of each foil in inches. Light foil = _____ Heavy foil = _____

What size square should give you most accurate results and why?

Graphs Using your data from the heavy aluminum foil, make two separate graphs.

On one graph the mass(y) verses volume (x)

On the other, graph the volume (y) verses area (x)

Title each graph and label axis using proper scaling.

Find the slope on each graph

State the physical meaning of each slope

