Tungsten Carbide Density + Weight

RFQ cheat sheet for industrial buyers | Extramet Products

Fast conversion

lb/in3 = g/cm3 x 0.0361273. Use grade-specific density for final quote or production.

Rod formula

Volume = pi x radius squared x length. Diameter changes weight quickly because radius is squared.

Blank formula

Rectangular blank volume = length x width x thickness. Multiply volume by density for weight.

Planning density values

Use	g/cm3	lb/in3	Quote note
Lower-density carbide estimate	13.5 g/cm3	0.488 lb/in3	Use only for rough planning unless the grade is known.
Common mid-range shop estimate	14.5 g/cm3	0.524 lb/in3	Useful for early blank, rod, and shipment estimates.
Higher-density carbide estimate	15.2 g/cm3	0.549 lb/in3	Use grade-specific density before quoting or production.

Calculator: extramet.net/tungsten-carbide-density-and-weight-calculator/ | RFQ: extramet.net/rfq/