



Copper Tungsten Sheet & Plate Products

Long Lasting & Cost-Effective

Created for maximum durability at minimum cost, our copper-tungsten products provide some of the industry's best rates of metal removal per unit of electrode consumption. Additionally, their exceptional level of quality makes them ideal for a wide range of metal forming requirements in a variety of industrial applications.

Call us today for your quote.

Standard sizes					
THICKNESS (in)	WIDTH (in)	LENGTH (in)	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)
0.001- 0.004	1, 2	4, 8	0.0254- 0.101	25.4, 50.8	101.6, 203
0.005- 0.010	1, 2, 3	4, 8	0.127- 0.254	25.4, 50.8, 76	101.6, 203
0.011- 0.015	1, 2, 3, 4	4, 8, 10, 12	0.2794- 0.381	25.4, 50.8, 76, 101.6	101.6, 203, 254, 304.8
0.020	1, 2, 3, 4	4, 8, 10, 12	0.508	25.4, 50.8, 76, 101.6	101.6, 203, 254, 304.8
0.025	1, 2, 3, 4	4, 8, 10, 12	0.635	25.4, 50.8, 76, 101.6	101.6, 203, 254, 304.8
0.030	1, 2, 3, 4	4, 8, 10, 12	0.762	25.4, 50.8, 76, 101.6	101.6, 203, 254, 304.8
0.035	1, 2, 3, 4	4, 8, 10, 12	0.889	25.4, 50.8, 76, 101.6	101.6, 203, 254, 304.8
0.040	1, 2, 3, 4	4, 8, 10, 12	1.016	25.4, 50.8, 76, 101.6	101.6, 203, 254, 304.8
0.045	1, 2, 3, 4	4, 8, 10, 12	1.143	25.4, 50.8, 76, 101.6	101.6, 203, 254, 304.8
0.050	1, 2, 3, 4	4, 8, 10, 12	1.27	25.4, 50.8, 76, 101.6	101.6, 203, 254, 304.8
0.055	1, 2, 3, 4	4, 8, 10, 12	1.397	25.4, 50.8, 76, 101.6	101.6, 203, 254, 304.8
0.060	1, 2, 3, 4	4, 8, 10	1.524	25.4, 50.8, 76, 101.6	101.6, 203, 254
0.062	1, 2, 3, 4	4, 8, 10	1.5748	25.4, 50.8, 76, 101.6	101.6, 203, 254
Thickness Tolerances					
0.001-0.015	+0.0005/-0.0005		0.0254- 0.381	+0.0127/-0.0127	
0.020-0.035	+0.001/-0.001		0.508- 0.889	+0.0254/-0.0254	
0.040-0.062	+0.002/-0.002		1.016- 1.5748	+0.0528/-0.0528	

Offered in either English or metric sizes, our sheet and plate products provide functional alternatives that expand design flexibility. Our core group of products is offered in the sizes listed above, with additional sizes available upon request. Closer tolerances may be obtainable on some sizes.

Rhenium Alloys, Inc. Cu/W Sheet Typical Properties*							
Composition	Rockwell Hardness B	Electrical Conductivity (% IACS)	Ultimate Tensile Strength (MPa)	Modulus of Rupture (MPa)	Coefficient of thermal expansion CTE (°F m/m-K)	Thermal Conductivity (W/mK)	Density (g/cc)
60%W 40%Cu	77-90	34-49	379-448	758-827	11.9 x 10 ⁻⁶	235**	12.7
70%W 30%Cu	85-98	29-43	516-585	896-965	10.3 x 10 ⁻⁶	200	13.7

Additional compositions are available upon request. Please call for further details.

* Cu/W sheet is produced by P/M liquid-phase sintering method.

** Calculated from data

Made in the U.S.A.

P.O. Box 245
1329 Taylor Street
Elyria, Ohio 44036 USA

<http://www.rhenium.com>

Phone: (440) 365-7388
Toll Free: (888) RHENIUM
Fax: (440) 366-9831
E-mail: info@rhenium.com