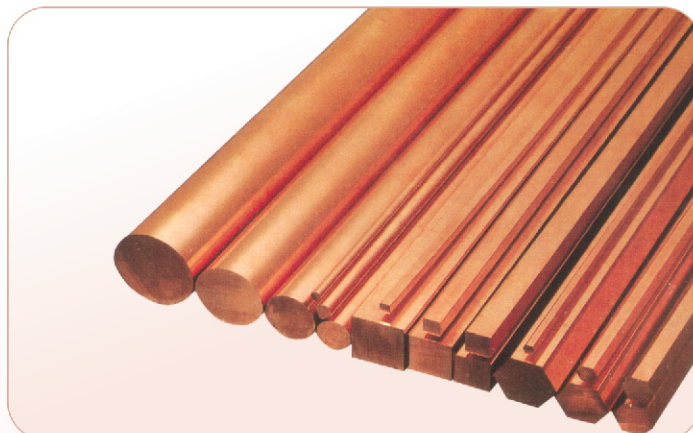


TUNGSTEN & TUNGSTEN COPPER ELECTRODES

For EDM applications imported make Tungsten Copper, Pure Tungsten, Beryllium Copper, Chromium Copper, Silver Tungsten & Molybdenum alloys of various composition, shapes & sizes are available.



TYPICAL PHYSICAL AND MECHANICAL PROPERTIES

Alloy	Form	Principal Elements	Rwma	Hardness Rockwell	Electrical Conductivity %I.A.C.S.	Ultimate Strength P.S.I.	Elongation % In 2"	Annealing Temp ^o c	Density gms/cc
Chromium Copper	CAST WROUGHT	Chromium Copper	Group A Class 2	70 B 83 B	85 85	50,000 75,000	20 15	500 500	8.96
Beryllium Copper	CAST WROUGHT	0.55% Beryllium Copper	Group A Class 3	95 B 100B	48 48	95,000 1,10,000	6 10	550 550	8.96
2% Beryllium Copper	CAST WROUGHT	2% Beryllium Copper	Group A Class 4	35C 40C	20 23	1,10,000 1,70,000	2 4	375 375	8.30
N56WC Tungsten Copper	SINTERED	56W : 44Cu	Group B Class 10	72-82 B	55-60%	•	•	•	12.6
N68WC Tungsten Copper	SINTERED	68W : 32 Cu	Group B Class 10	85-92 B	48-53%	•	•	•	13.93
N70WC Tungsten Copper	SINTERED	70W : 30Cu	Group B Class 10	88-95 B	47-52 %	•	•	•	14.18
N75WC Tungsten Copper	SINTERED	75W : 25 Cu	Group B Class 11	96-99 B	42-50%	•	•	•	14.80
N80WC Tungsten Copper	SINTERED	80W : 20Cu	Group B Class 12	99-104 B	41-49%	•	•	•	15.60
N50WA Silver Tungsten	SINTERED	50W :50Ag	•	50-60 B	62-70%	•	•	•	13.48
N65WA Silver Tungsten	SINTERED	65W : 35Ag	•	80-87 B	50-56 %	•	•	•	14.77
N78WA Silver Tungsten	SINTERED	78W : 22Ag	•	90-100 B	48-53%	•	•	•	16.00
N100W Tungsten	SINTERED	100% W	Group B Class 13	69 A	31 %	•	•	•	19.28
N100M Molybdenum	SINTERED	100% Mo	Group B Class 14	89 B	30 %	•	•	•	10.2

IACS : International Annealed Copper Standard

RWMA : Resistance Welder Manufacturers' Association (USA)