

Copper Tungsten (HOSOPM®0 Series)

Copper tungsten alloy is the composite material composed of tungsten and copper. It has the characteristics of high hardness and high temperature resistance of tungsten and has the high electrical conductivity of copper. It also has the excellent properties of easy machining that used in various industrial fields widely.

HOSO can provide the different composition of copper tungsten rods, plates, wheels and the precision machining parts of copper tungsten.

HOSO using the advanced vacuum infiltration to manufacture the copper tungsten and abidely by national standard GB/T8320-2003 strictly.

About HOSO

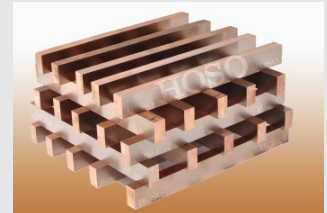
HOSO Metal CO., LTD is an enterprise for manufacturing powder metallurgy material, casting copper alloy and high precision parts. From powder to alloy to finished parts, we provide one-stop service to customers.

HOSOPM[®]0 Advantage:

- The production technology is very mature from press to sinter and infiltrate
- The products without holes
- The internal organization of products are very uniform
- The products has excellent plasticity and it easy to process molding
- The Products has the characteristics of high conductivity and the electric processing speed is very fast.
- The hardness of products is very high that it has long service life.



Electrical Contact



Welding Electrode

HOSOPM[®]0 Application:

- EDM(Electrical Discharge Machining)
- Resistance welding electrode
- High voltage contactor
- Heat sink
- Resistance to high temperature parts



EDM Electrode

HOSOPM[®]0 properties:

Brand	Composition (%wt.)	Density (g/cm ³)	Hardness (HRB)	Electrical conductivity(%IACS)	class(#)	RWMA Group B
HOSOPM [®] 050	W:50%,Cu:Bal	11.90	65	54		
HOSOPM [®] 055	W:55%,Cu:Bal	12.50	70	49	10	10.74450
HOSOPM [®] 060	W:60%,Cu:Bal	13.30	76	47		
HOSOPM [®] 070	W:70%,Cu:Bal	13.90	82	44		
HOSOPM [®] 075	W:75%,Cu:Bal	14.50	92	42	11	11.74400
HOSOPM [®] 080	W:80%,Cu:Bal	15.20	98	38	12	12.74350
HOSOPM [®] 085	W:85%,Cu:Bal	16.10	240HB	33		
HOSOPM [®] 090	W:90%,Cu:Bal	16.90	260HB	28		

*The above standard data just for reference not the acceptance standard.

*Our copper tungsten corresponds to the international brands are 1w3,3w3,5w3,10w3,30w3,3w53,TC10,TC5,TC20.

*We have strong mechanical processing capacity that can according drawings to process precision parts.

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