FUDAR

CuW					
Overview	CuW contacts have excellent resistance to arc burnout and welding, but poor oxidation resistance for use in air atmosphere. CuW contacts can be made in different shapes (compacted/sintered or infiltrated) by powder metallurgy.				
Application	CuW contacts are mainly used in medium/high voltage electrical switches, low voltage field frame circuit breaker arc contacts, welding electrodes.				
Material Properties					
	1#CuW	2#CuW	4#CuW	9#CuW	3#CuW
Cu Content (wt%)	50.0±2.0	40.0±2.0	30.0±2.0	25.0±2.0	20.0±2.0
Density (g/cm³)	≥11.85	≥12.75	≥13.80	≥14.50	≥15.15
Elec.Resistivity (μΩ·cm)	≤3.20	≤3.70	≤4.10	≤4.50	≤5.00
Hardness HB	≥115	≥140	≥175	≥195	≥220
Manufacturing Process	Infiltration				

Product Types					
	1#CuW	2#CuW	4#CuW	9#CuW	3#CuW
Wires					
Strips					
Tips	√	√	√	√	√
Bimetal Strips					
Rivets					