

FUDAR

AgCuO			
Overview	AgCuO is a new type of environmentally friendly electrical contact material, the material has high resistance to welding, and is superior to AgSnO ₂ and AgNi in the use of DC contactors.		
Application	AgCuO contact materials are mainly used in medium and heavy duty low voltage switching applications such as contactors, magnetic switches, relays and controllers. They are more effective when used on DC contactors.		
Material Properties			
Tips	1#AgCuO	2#AgCuO	3#AgCuO
CuO Content (wt%)	10.0±1.0	15.0±1.0	10.0±1.0
Density (g/cm ³)	≥9.70	≥9.60	≥9.80
Elec.Resistivity (μΩ·cm)	≤2.30	≤2.50	≤2.50
Hardness HV	≥55	≥60	≥50
Manufacturing Process	Pre-oxidation-Sintering-Extruding		Internal Oxidation

Wires	1#AgCuO	2#AgCuO
CuO Content (wt%)	10±1	15±1
Density (g/cm ³)	≥9.7	≥9.4
Elec.Resistivity (μΩ·cm)	≤2.15	≤2.45
Hardness HV	≥70	≥80
Tensile Strength (MPa)	≥210	≥220
Elongation (%)	≥20	≥15
Manufacturing Process	Pre-oxidation-Sintering-Extruding	

Product Types			
	1#AgCuO	2#AgCuO	3#AgCuO
Wires	√	√	
Strips	√	√	
Tips	√	√	√
Bimetal Strips	√	√	
Rivets	√	√	