FUDAR

AgCdO							
Overview	AgCdO is the most widely used contact material for low-voltage appliances. It has very good resistance to arc burnout and welding and low contact resistance from start to finish during the usage. However, Cd and CdO are detrimental to health and the environment, and AgCdO materials are banned in some countries.						
Application	Mainly used in a variety of low-voltage switchgear. Such as micro switches, relays, lighting switches, contactors, household appliance switches, various protection switches and certain circuit breakers.						
Material Properties							
Tips	6#AgCdO	7#AgCdO	9#AgCdO	14#AgCdO	21#AgCdO	27#AgCdO	28#AgCdO
CdO Content (wt%)	10.0±1.0	12.0±1.0	15.0±1.0	12.0±1.0	15.0±1.0	15.0±1.0	17.0±1.0
Density (g/cm³)	≥10.00	≥9.90	≥9.75	≥9.90	≥9.75	≥9.75	≥9.70
Elec.Resistivity (μΩ·cm)	≤2.40	≤2.50	≤2.60	≤3.40	≤3.50	≤2.70	≤3.50
Hardness HV	≥64	≥69	≥74	≥69	≥74	≥80	≥77
Manufacturing Process	Pre-oxidation-Sintering-Extruding			Internal Oxidation			

Wires	6#AgCdO	8#AgCdO	9#AgCdO	1#AgCdO	3#AgCdO	5#AgCdO	10#AgCdO
CdO Content (wt%)	10±1	13.5±1	15±1	10±1	12±1	15±1	17±1
Density (g/cm³)	≥10.00	≥9.85	≥9.80	≥10.1	≥10.00	≥9.90	≥9.85
Elec.Resistivity (μΩ·cm)	≤2.25	≤2.35	≤2.40	≤2.10	≤2.15	≤2.35	≤2.40
Hardness HV	≥75	≥75	≥75	≥75	≥75	≥75	≥75
Tensile Strength (MPa)	≥230	≥230	≥230	≥230	≥230	≥230	≥230
Elongation (%)	≥10	≥8	≥8	≥10	≥10	≥10	≥8
Manufacturing Process	Pre-oxidation-Sintering-Extruding			Internal Oxidation			

Product Types												
	1#AgCdO	3#AgCdO	5#AgCdO	6#AgCdO	7#AgCdO	8#AgCdO	9#AgCdO	10#AgCdO	14#AgCdO	21#AgCdO	27#AgCdO	28#AgCdO
Wires	√	√	√	√	√	√	√	√				
Strips				√	√		√					
Tips				√	√		√		√	√	√	√
Bimetal Strips				√	√		√					
Rivets	√	√	√	√	√	√	√	√				