

# FUDAR

## AgZnO

<b>Overview</b>	AgZnO is an environmentally friendly electrical contact material with excellent resistance to welding and burnout, and it has a higher contact resistance than AgCdO.					
<b>Application</b>	Mainly used for circuit breakers, especially universal circuit breakers. As well as for motor protection switches, earth leakage circuit breakers, AC relays.					
Material Properties						
Tips	1#AgZnO	2#AgZnO	3#AgZnO	4#AgZnO	5#AgZnO	6#AgZnO
ZnO Content (wt%)	8.0±1.0	10.0±1.0	10.0±1.0	8.0±1.0	8.0±1.0	10.0±1.0
Density (g/cm <sup>3</sup> )	≥9.60	≥9.50	≥9.55	≥9.70	≥9.60	≥9.40
Elec.Resistivity (μΩ-cm)	≤2.50	≤2.50	≤3.50	≤3.40	≤2.50	≤2.70
Hardness HV	≥80	≥80	≥75	≥70	≥60	≥68
Manufacturing Process	Pre-oxidation-Sintering-Extruding		Internal Oxidation		Mixing-Compacting-Sintering	

Wires	1#AgZnO	2#AgZnO
ZnO Content (wt%)	8±1	10±1
Density (g/cm <sup>3</sup> )	≥9.65	≥9.55
Elec.Resistivity (μΩ-cm)	≤2.25	≤2.30
Hardness HV	≥80	≥85
Tensile Strength (MPa)	≥250	≥260
Elongation (%)	≥10	≥10
Manufacturing Process	Pre-oxidation -Sintering-Extruding	

## Product Types

	1#AgZnO	2#AgZnO	3#AgZnO	4#AgZnO	5#AgZnO	6#AgZnO
Wires	√	√				
Strips	√	√				
Tips	√	√	√	√	√	√
Bimetal Strips	√	√				
Rivets	√	√				