

# AgCdO 10-15 P

## Powder-Metallurgy & Extrusion

Silver Cadmium Oxide

### Characteristics

- High resistance to electrical arc erosion and welding resistance
- Low and stable contact resistance
- Good workability/formability (especially 10-12%)
- Long electrical service life
- Excellent anti-welding properties

### Applications

- Appliance controls 110-380V
- Light switches & timer switches
- Disconnect switches, current limiting MCCBs, load transfer switches
- Electric vehicle DC power controls, material handling equipment
- Industrial Molded case and large air circuit breakers – IEC standards
- Railway signal switches
- Electric motor controls
- AC/DC relays
- General purpose relays 0.1-20A
- Thermostatic control switches

Material	Ag Content [wt-%]	Density [gr/cm <sup>3</sup> ]	Electrical Resistivity [ $\mu \Omega$ cm]	Hardness (Annealed) [HV10]	Tensile Strength [N/mm <sup>2</sup> ]	Elongation (Annealed) %	Form of Supply
AgCdO 10 P	90	10.2	2.00	60	230	25	Wires, Tips, Rivets
AgCdO 12 P	88	10.1	2.08	65	250	20	
AgCdO 13.5 P	86.5	10.15	2.10	67	265	18	
AgCdO 15 P	85	10	2.22	70	280	15	
AgCdO 10-15 WP	90-85	10.3 - 10.2	2.00 - 2.22	60 - 70	N/A		

P = Solid material in wire form or contact rivets

WP = Clad material with fine silver backing for brazing used for contact strips and tips

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