

AgSnO² 8-12 P

Powder-Metallurgy & Extrusion

Silver Tin Oxide

Characteristics

- Excellent anti-welding characteristics at high inrush currents
- High resistance to arc erosion
- Minimal material migration
- Custom formulations for wide range of applications
- Excellent for capacitive application and direct current

Applications

- AC contactors. Motor starters – to high loads
- Appliance controls 110-380V
- Light switches & timer switches
- Automotive control and power relays (ISO relays)
- Accessory 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 ³]	Electrical Resistivity [μ Ω cm]	Hardness (Annealed) [HV10]	Tensile Strength [N/mm ²]	Elongation (Annealed)	Form of Supply
AgSnO ₂ 8 P	92	10.0	2.50 - 2.22	60	230	27	Wires, Tips, Rivets
AgSnO ₂ 10 P	90	9.90	2.32 - 2.08	65	240	25	
AgSnO ₂ 12 P	88	9.80	2.50 - 2.22	75	250	22	
AgSnO ₂ 14 P	86	9.45	2.60 - 2.32	94.9	290	17	

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