# AgSnO₂ 8-12 P
Silver Tin Oxide
## Powder-Metallurgy & Extrusion

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Applications</th>
</tr>
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<tbody>
<tr>
<td>Excellent anti-welding characteristics at high inrush currents</td>
<td>AC contactors. Motor starters – to high loads</td>
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<td>High resistance to arc erosion</td>
<td>Appliance controls 110-380V</td>
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<td>Minimal material migration</td>
<td>Light switches &amp; timer switches</td>
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<tr>
<th>Material</th>
<th>Ag Content [wt-%]</th>
<th>Density [gr/cm³]</th>
<th>Electrical Resistivity [µ Ω cm]</th>
<th>Hardness (Annealed) [HV10]</th>
<th>Tensile Strength [N/mm²]</th>
<th>Elongation (Annealed)</th>
<th>Form of Supply</th>
</tr>
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<tr>
<td>AgSnO₂ 8 P</td>
<td>92</td>
<td>10.0</td>
<td>2.50 - 2.22</td>
<td>60</td>
<td>230</td>
<td>27</td>
<td>Wires, Tips, Rivets</td>
</tr>
<tr>
<td>AgSnO₂ 10 P</td>
<td>90</td>
<td>9.90</td>
<td>2.32 - 2.08</td>
<td>65</td>
<td>240</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>AgSnO₂ 12 P</td>
<td>88</td>
<td>9.80</td>
<td>2.50 - 2.22</td>
<td>75</td>
<td>250</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>AgSnO₂ 14 P</td>
<td>86</td>
<td>9.45</td>
<td>2.60 - 2.32</td>
<td>94.9</td>
<td>290</td>
<td>17</td>
<td></td>
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WARWICK, RI  (401) 739-0800

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**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