Ag, Ag2 & FAg

Alloy Melting Process

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Applications</th>
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</thead>
<tbody>
<tr>
<td><strong>Ag</strong>&lt;br&gt;➢ Highest electrical and thermal conductivity&lt;br&gt;➢ Low contact resistance&lt;br&gt;➢ Excellent workability/ductility</td>
<td>➢ Instrument and push button switches&lt;br&gt;➢ Limit switches, AC and DC&lt;br&gt;➢ Pushbutton and limit switches, AC 24-380V&lt;br&gt;➢ Relays – AC/DC&lt;br&gt;➢ General Purpose Relays 0.1-20A&lt;br&gt;➢ Telecommunications Relays&lt;br&gt;➢ Miniature PC board relays</td>
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<tr>
<td><strong>FAg</strong>&lt;br&gt;➢ Very similar to silver&lt;br&gt;➢ Better resistance against arc erosion&lt;br&gt;➢ Retains hardness&lt;br&gt;➢ Increased durability</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>Minimum Elongation (Annealed)</th>
<th>Form of Supply</th>
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<tbody>
<tr>
<td>Ag</td>
<td>99.99</td>
<td>10.48</td>
<td>1.67</td>
<td>30</td>
<td>200</td>
<td>30</td>
<td>Wires, Tips, Rivets</td>
</tr>
<tr>
<td>Ag2</td>
<td>99.95</td>
<td>10.48</td>
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<tr>
<td>FAg</td>
<td>99.85</td>
<td>10.50</td>
<td>1.72</td>
<td>40</td>
<td>220</td>
<td>25</td>
<td></td>
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