STAY SILV® 2HP BRAZING FILLER METAL

NOMINAL CHEMICAL COMPOSITION %:

<table>
<thead>
<tr>
<th>Element</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver</td>
<td>1.8 - 2.2%</td>
</tr>
<tr>
<td>Copper</td>
<td>Remainder</td>
</tr>
<tr>
<td>Phosphorus</td>
<td>7.3 - 7.4%</td>
</tr>
<tr>
<td>Other (Total)</td>
<td>0.15</td>
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</tbody>
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TYPICAL PHYSICAL PROPERTIES:

- Solidus: 1190°F (643°C)
- Liquidus: 1405°F (763°C)
- Brazing Range: 1300°F - 1455°F (704°C - 788°C)

BRAZING PROPERTIES:

Stay Silv 2HP features a higher phosphorus content which provides a narrower melting range and quicker flow. This alloy is designed for use on applications where close, uniform clearance can be maintained.

CORROSION RESISTANCE

Generally similar to the copper base metal, but phosphorus containing alloys, including Stay Silv 2HP, should not be used if the braze is exposed to sulfur or sulfur compounds in service.

AVAILABLE FORMS

Standard wire diameters; rods and preform rings.

RECOMMENDED FLUX:

No flux is required for copper brazing. For brazing brass or copper to brass, use Stay-Silv white flux. Harris ECO SMART® boric acid free flux, (powder or paste), is an excellent choice to promote sound brazed assemblies and comply with European REACH requirements.

SPECIFICATION COMPLIANCE:

Harris internal specification range.

SAFETY INFORMATION:

WARNING: PROTECT yourself and others. Read and understand this information.

FUMES AND GASES can be hazardous to your health. HEAT RAYS, (infrared radiation) from flame or hot metal can injure eyes.

- Before use, read and understand the manufacturer’s instructions, Material Safety Data Sheets (MSDS), and your employer’s safety practices.
- Keep your head out of fumes.
- Use enough ventilation, exhaust at the flame, or heat source, to keep fumes and gases from your breathing zone and the general area.
- Wear correct eye, ear, and body protection.

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