**Brazing alloy BrazeTec 4076 U**

**Composition (% in weight)**

<table>
<thead>
<tr>
<th>Ag</th>
<th>Cu</th>
<th>Zn</th>
<th>Sn</th>
<th>Si</th>
<th>P</th>
<th>Mn</th>
<th>Ni</th>
<th>Other</th>
<th>ISO 17672:2010</th>
<th>EN 1044:1999</th>
<th>ISO 3677</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>30</td>
<td>28</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Ag 140</td>
<td>AG 105</td>
<td>-</td>
</tr>
</tbody>
</table>

**Technical data:**

- Melting range (°C)
- Working temperature (°C)
- Melting range according to DSC measurement (°C): 660-720
- Min. brazing temperature (°C): 720
- Electrical conductivity (m/Ω mm²): -
- Elongation %: -
- Density (g/cm³): 9
- Shear strength (MPa): -
- Tensile strength DIN EN 12797 (MPa): with S 235: 350; with E 295: 430
- Operating temperature of brazed joint (min/max) ± (°C): 200

**Applications**
Refrigeration and air conditioning industry, plumbing technology

**Operating conditions**
Silver based brazing alloy, flux coated. Excellent flow, capillarity and mechanical strength characteristics. Used for brazing any steels, copper and copper alloys, as well as nickel and nickel alloys.

**Recommended fluxes**
Flux as coating of the DIN EN 1045 FH 10 rod. Flux residues are corrosive and water-soluble, we suggest to remove them with water and / or mechanical brushing.

**Heat sources**
Flame, induction heating

**Delivery forms**
Coated rods

**Notes**
The information reported in this document about our products and equipment as well as our systems and procedures are based on our research and our experience in the field of applied engineering and are merely recommendations. Italbras S.p.A. cannot foresee all circumstances in which these information and our products will be used, therefore the user must verify the suitability of our products and processes for the use or application intended by him on his own responsibility. Italbras S.p.A. declines any liability for any loss, damage or injury howsoever arising (including any claim brought by third parties) as a result of the use of such information. Each warranty of suitability of our products and their use within the production processes of the user, must be agreed in written form. We reserve the right to make technical modifications to this document in the course of our product development.