

## TECHNICAL DATA SHEET

### BROFIL - Leaded Solder Alloy

#### Description

**BROFIL** is a reliable and high-quality lead-containing soft solder alloy.

**Application:** developed for general hand and automated soldering applications, components attach and touch-up for surface mount technology for the electronics assembly industries where a low melting point and leaded alloy has been specified.

**Available formats:** flux-cored wire, solid wire, wave bar and rod.

#### Type of Alloys

Product Name	Alloy N° EN ISO 9453	Alloy Designation	Melting Temp °C
BROFIL 30	116	S-Pb70Sn30	183 - 255
BROFIL 40	114	S-Pb60Sn40	183 - 238
BROFIL 50	111	S-Pb50Sn50	183 - 213
BROFIL 60	103	S-Sn60Pb40	183 eutectic
BROFIL 63	102	S-Sn63Pb37	183 eutectic

**Alloys compliant with the current regulation: EN-ISO 9453: 2006**

Other alloys are available upon request.

#### Type of Flux Cores

Flux core	Classification & Compliance	Flux description & Properties
<b>B2.2</b>	1.1.3.B (EN-ISO 29454-1) ROMO (J-STD-004)	<ul style="list-style-type: none"> <li>Halide-free rosin for all electronic assembly applications.</li> <li>Fast wetting and good spreading.</li> <li>Minimal non-corrosive and clear post-soldering residues which can be safely left without the need to remove them.</li> </ul>
<b>B2.1</b>	1.1.2.B (EN-ISO 29454-1) ROM1 (J-STD-004)	<ul style="list-style-type: none"> <li>Activated rosin (contains halides) for quick-spreading and difficult to solder surfaces to join copper, nickel, brass and bronze. Also suitable on robotic soldering, rework and repair applications.</li> <li>Low post-soldering residues that are hard and which can be safely left without the need to remove them.</li> </ul>
<b>B1.2</b>	1.2.3.B (EN-ISO 29454-1) REM0 (J-STD-004)	<ul style="list-style-type: none"> <li>Halide-free resin. Good spread on cooper, brass and nickel. Low spitting.</li> </ul>
<b>B1.1</b>	1.2.2.B (EN-ISO 29454-1) REM1 (J-STD-004)	<ul style="list-style-type: none"> <li>Activated resin (contains halides). Developed to cope with the higher process temperatures at lead-free soldering.</li> </ul>

**N° of flux cores:** 4

## TECHNICAL DATA SHEET

### **BROFIL - Leaded Solder Alloy**

**Flux content:** standard 2,5 weight %

#### **Delivery form**

**Available diameters:** from 0,35 mm.

**Delivered in plastic reel of:** 100gr x 30 units/carton | 250gr x 50 | 500gr x 24 | 1kg x 16 | 4 Kg.

Other formats are available upon request.

---

**Health and Safety:** Before using the product, please read the material safety data sheet carefully and follow the safety precautions described.