

# Brazing Rods Data Sheet



**Type of Product**  
5% Silver Brazing Alloy

**Composition**  
5% Silver  
89% Copper  
6% Phosphorous

Impurities to BSEN 17672 Group CP  
Alloy conforms to  
BSEN 17672 CuP104

**Melting Range**

645 - 815°C

**Appearance**  
Copper coloured metal

**Occupational Health Data**

TLV  
Odour threshold

Silver 0.1mg/m3 as fume

Phosphorous 1mg/m3 as  
phosphoric acid

Copper 0.2mg/m3 as fume

**Working Temp**

710°C

**Tensile Strength** 600N/mm<sup>2</sup>  
**Hardness** 190

**Elongation** 7%

**Electrical Conductivity** 10%  
I.A.C.S. at 20°C

**Type of Product**  
2% Silver Brazing Alloy

**Composition**  
2% Silver  
91.7% Copper  
6.3% Phosphorous

Impurities to BSEN 17672 Group CP  
Alloy conforms to  
BSEN 17672 CuP104

**Melting Range**

645 - 825°C

**Appearance**  
Copper coloured metal

**Occupational Health Data**

TLV  
Odour threshold

Silver 0.1mg/m3 as fume

Phosphorous 1mg/m3 as  
phosphoric acid

Copper 0.2mg/m3 as fume

**Working Temp**

740°C

**Tensile Strength** 490N/mm<sup>2</sup>  
**Hardness** 195

**Elongation** 5%

**Electrical Conductivity**  
9% I.A.C.S. at 20°C

**Type of Product**  
Square 0.2% Silver Brazing Alloy

**Composition**  
0.2% Silver  
93.5% Copper  
6.3% Phosphorous

Impurities to BSEN 17672 Group CP  
Alloy conforms to  
BSEN 17672 CuP104

**Melting Range**

645 - 815°C

**Appearance**  
Copper coloured metal

**Occupational Health Data**

TLV  
Odour threshold

Silver 0.1mg/m3 as fume

Phosphorous 1mg/m3 as  
phosphoric acid

Copper 0.2mg/m3 as fume

**Working Temp**

760°C

**Tensile Strength** 490N/mm<sup>2</sup>  
**Hardness** 195

**Elongation** 5%

**Electrical Conductivity** 8.5%  
I.A.C.S. at 20°C