

TECHNICAL DATA SHEET

SILVERFOS 2

Phoscopper Brazing alloys, Cadmium Free

EN ISO 17672:2016	CuP 279
AWS A5.8-92	BCuP-6
ISO 3677:1997	
DIN 8513	(L-Ag2P)
(EN 1044:1999)	(CP 105)

Nominal Composition [%]

Ag	Cu	P	Sn			
2	91,3	6,7	-			

Technical Data

Melting Point	c.a. 645 - 825 °C
Working Temperature	c.a. 740° C
Density	8,1 gr/cm ³
Tensile strength	250 Mpa
Elongation	5%
Electrycal Conductivity	approx. 5,0 m/mm ² m/



Applications

The Silverfos 2 is a phosphorous containing brazing alloy used for joining copper and copper alloys. Due to its P content, it is considered self-fluxing: it means that no additional flux is required when joining copper to copper. On the contrary, it is not used for joining steels or materials containing iron and nickel cobaltas. Typical applications are in refrigeration and air conditioning industry (it is used for service temperatures down to -50°C); in electric industry and in the plumbing trade.

Base Metals

Copper to copper without flux, with flux also brass, bronze, red brass.

Heat Sources

This brazing alloy is used for brazing with induction heating, with flame and in a furnace.

Bare rods	Fluxcoated	Wire < Ø 1,0	Wire > Ø 1,0	Foil	Extruded bars	Rings
-	-	-	X	-	X	-