

SILVERFOS 5

Nominal Composition [%]	Ag 5; Cu 89; P 6
Impurity max. %	Al 0,001; Bi 0,030; Cd 0,010; Pb 0,025; Zn 0,05; Zn+Cd 0,05
Total of all impurities [%]	0,25

International Specification

EN ISO 17672:2016	CuP 281	DIN 8513	(L-Ag5P)
AWS A5.8-92	BCuP-3	(EN 1044:1999)	(CP 104)
ISO 3677:1992			

SaldFlux Specification (SF)

SF	-
-----------	---

Technical Data

Melting Point	c.a. 645 - 815 °C
Working Temperature	c.a. 710 °C
Density	c.a. 8,2 gr/cm ³ 250 Mpa with Cu
Elongation	c.a. 2%
Electrical Conductivity	approx 5,0 m/? mm ²

Available Forms

Wire: from Ø 1,0 mm to Ø 3,0 mm - on coils or spools.
Extruded bare rods: Ø 1,5, Ø 2,0 mm, Ø 3,0 mm
Other diameter upon request.
Length: 500 mm - 1000 mm.
Other length upon request.

Applications

That is a phosphorous alloy used for joining copper and copper based materials with excellent flow characteristics. Due to its P content, no additional flux is required when joining copper to copper. On the contrary, it is not used for joining steels or materials containing iron. Typical applications are in refrigeration, air conditioning and electric industry.

This alloy is used for brazing with induction heating, with flame and in a furnace under protective atmosphere. In refrigeration and aircon industry Silverfos 5 it is very good also for service temperature down to -40°

Base Metals

Copper to copper without flux, with flux also brass, bronze, red brass. Not for application in media containing sulphur. Not for Fe and Ni alloys