

## TECHNICAL DATA SHEET

# SILVERFOS 5

## Phoscopper Brazing alloys, Cadmium Free

EN ISO 17672:2016  
 AWS A5.8-92  
 ISO 3677:1997  
 DIN 8513  
 (EN 1044:1999)

CuP 281  
 BCuP-3  
 B-Cu89PAg-645/815

### Nominal Composition [%]

Ag	Cu	P	Sn			
5	89	6	-			

### Technical Data

**Melting Point** c.a. 645 - 815 °C  
**Working Temperature** c.a. 710 °C  
**Density** c.a. 8,2 gr/cm<sup>3</sup>  
**Tensile strength** 250 Mpa  
**Elongation** n.a.  
**Electrycal Conductivity** n.a.



### 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. Not for application in media containing sulphur. 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 Fe and Ni

### Heat Sources

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

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