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TECHNICAL DATA SHEET

SILVERFOS 52

Phoscopper Brazing alloys, Cadmium Free

EN ISO 17672:2016	CuP 282
AWS A5.8-92	BCuP-7
ISO 3677:1997	B-Cu88PAg-645/771
DIN 8513	
(EN 1044:1999)	

Nominal Composition [%]

Ag	Cu	P	Sn			
5	88	7	-			

Technical Data

Melting Point	c.a. 645 - 771 °C
Working Temperature	c.a. 710 °C
Density	c.a. 8,2 gr/cm3
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 forFe and Ni

Heat Sourches

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	-

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