

TECHNICAL DATA SHEET

SILVERFOS 6

Phoscopper Brazing alloys, Cadmium Free

EN ISO 17672:2016 CuP 283
AWS A5.8-92 BCuP-4
ISO 3677:1997
DIN 8513
(EN 1044:1999)

Nominal Composition [%]

Ag	Cu	P	Sn			
6	87	7	-			

Technical Data

Melting Point c.a. 643 - 813 °C
Working Temperature c.a. 720 °C
Density 8,1 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. Silverfos 6 has similar characterists of Silverfos 5 but has greater ductility because of higher Ag contain. It is preferred when a special application requests finely wrought forms. Not for application in media containing sulphur. Not for Fe and Ni alloys

Base Metals

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

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	-