

## TECHNICAL DATA SHEET

# FOS 80

## Phoscopper Brazing alloys, Cadmium Free

EN ISO 17672:2016	CuP 182
AWS A5.8-92	-
ISO 3677:1997	
DIN 8513	FCu
(EN 1044:1999)	

### Nominal Composition [%]

Ag	Cu	P	Sn			
-	92	8	-			

### Technical Data

Melting Point	c.a. 710 - 770 °C
Working Temperature	c.a. 720 °C
Density	8,1 gr/cm <sup>3</sup>
Tensile strength	250 Mpa
Elongation	
Electrycal Conductivity	



### Applications

Copper-phosphorus alloy similar to FOS 70, but with a lower melting point; it has good filling and capillarity characteristics. For work in position and assembly in general. Obtained with a special production process, the deposit can be taken up again without boiling problems. Strong brazing of copper, bronze, brass. In copper-copper joins no flux is required, to be used instead in mixed brazing with brass or bronze (recommended flux FCu). Do not use in atmospheres containing sulfur and with Fe and Ni alloys. For heating, air conditioning, refrigeration, heat exchangers, mechanical equipment, electric motors, winding of transformers. Production and repair of household appliances. For plumbing systems, for copper pipes for hot and cold water, construction and installation of copper gutters.

### Base Metals

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

### Heat Sources

Furnace in protected atmosphere

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