

TECHNICAL DATA SHEET

FOS 70

Phoscopper Brazing alloys, Cadmium Free

EN ISO 17672:2016	CuP 180
AWS A5.8-92	BCuP-2
ISO 3677:1997	
DIN 8513	L-CuP7
(EN 1044:1999)	CP 101

Nominal Composition [%]

Ag	Cu	P	Sn			
-	93	7	-			

Technical Data

Melting Point	c.a. 710 - 820 °C
Working Temperature	c.a. 730 °C
Density	8,1 gr/cm ³
Tensile strength	250
Elongation	
Electrycal Conductivity	



Applications

FOS 70 is a phosphorous content brazing alloy, very popular, extremely fluid, used for joining copper and copper alloys, brass and bronze. Due to its P content, it is considered self-fluxing, that is no additional flux is required when joining copper to copper. On the contrary, when used with a copper alloy or brass or bronze, a brazing flux is suggested to promote wetting and fluidity on the joints. Typical applications are in refrigeration and air conditioning industry and heat exchanger manufacturers.

Base Metals

Copper to copper without flux, with flux also brass, bronze, red brass. Not for application in

Heat Surches

Manual and induction brazing.

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