

Most copper-phosphorus feed metals are fluid enough to allow brazing at a temperature well below liquidus.

It is strongly recommended not to use these alloys for ferrous metals and nickel alloys or copper alloys containing nickel.

NORMES	EN ISO 1044 / 1999	B - Cu 92 P Ag - 645/825
STANDARD	Abrégé	CP 105
	ISO 17672 : 2016	CuP 279Si
	DIN 8513	L- Ag 2 P
	AFNOR A81362	06 B 1
	BS 1845	CP 2
	AWS A5.8/A5.8M.....	BCuP-6
	ASME Sec II-C SFA-5.8	BCuP-6
	Code douane	74082100
	Selon Règlement CLP	No hazard

In compliance with regulations: CLP, Reach, RoHS / CERoHS, WEEE, ErP-2009

MANUFACTURING SPECIFICATION IN RELATION TO THE STANDARD

Standard values	Composition %								STANDARDS
	Cu	Ag	P	Sn	Si	Zn	Ni	Cd	Code
ISO 17672	Bal	1,5<>2,5	5,9<>6,7		0,05<>0,25				CuP 279Si

Guideline values of the manufacturing specification Alliages Industries

Values of our Specification	Composition %								Spec AI
	Cu	Ag	p	Sn	Si	Zn	Ni	Cd	Code
102X	Bal	1,5<>2,5	5,9<>6,7		0,05<>0,25				102X

Note: The maximum impurity limits are (% by mass): Cd 0.010, Pb 0.025

Standard laboratory tested in accordance with ISO 17672. Certificate available on request.

Paid analysis for a specific batch.

PHYSICAL PROPERTIES OF THE ALLOY	Min soldering temperature (note 1)	740 °C
	Mpa.....	550
	A % to 20°c	6
	Electrical conductivity% IACS....	
	Electrical resistivity (Microhm-cm)	
	Melting range	645 - 825°C
	Density	8,1

**Silicon-stabilized alloy, no bubbling. Without Degassing.
Very precise brazing temperature at +/- 10°**

FORMS	<u>BARS RODS</u>	
TOLERANCES	Diameter	: 16/10 - 20/10 - 25/10 - 30/10 - 40/10 - 50/10 - 60/10 - 70/10
	Achievable dimensions	: Lenght 1000 mm, 500 mm, 350 mm, 330 mm
	<u>FOILS</u>	
	Thickness	0,15 < > 2,00 mm (Tolerances mm : +/- 0,005/0,035)
	Width	2,00 < > 80 mm (Customer Specification)
	Arrow	Max 15 mm/ meter
	Packaging	Wood or plastic spool.

COMPATIBLE DEOXIDIZING	PASTE	: CarboFLUX NT (On copper) MaxiFLUX H (For copper, iron and stainless)
	POWDER	: SuperFLUX
	FLUX COATING	: XF

SAFETY NUMBER-5001

DATA SHEET (SDS)

Classification system : according to EC regulation No. 1272/2008 CLP

Symbol : None

Indications of HAZARD : None

Sentences H : None

Sentences P :

P260 – Do not breathe dust / fume / gas / mist / vapors / spray.

P270 – Do not eat, drink or smoke when using this product.

P280 – Wear protective gloves / protective clothing / eye protection / face protection

P285 – When room ventilation is insufficient, wear respiratory protection equipment.
(provide fume extraction at the brazing station)