

L-CuP7

CATEGORY Brazing

TYPE Copper phosphorus brazing alloy.

APPLICATIONS Joining: Copper to copper, Copper alloys, Brass, Copper-Sn alloys with flux. Do not use this alloy above working temperatures of 200°C

PROPERTIES Universal brazing alloy containing phosphor for use without additional flux on copper to copper joints. Good flowing characteristics very easy to use with high mechanical properties.

CLASSIFICATION

AWS	A 5.8: BCuP-2
EN ISO	17672: CuP 180
DIN	8513: L-CuP7

SUITABLE FOR Copper to copper (without flux), Copper alloys, Brass, Copper-Sn alloys with flux.

APPROVALS CE approved

WELDING POSITIONS:



FILLER METAL ANALYSIS %

P	Cu
7	rest

MECHANICAL PROPERTIES

Heat Treatment	R _{p0,2} (N/mm ²)	R _m (N/mm ²)	Weight g/cm ³	Operating temperature °C	Impact Energy (J) ISO-V -40°C -60°C	Melting range (°C)
As brazed		250	8.1	720		710-820

BRAZING PARAMETERS / PACKING

Brazing Parameters		Flame type	Optimum brazing	Packing	
D (mm)	Length (mm)	Adjustment	Gab (mm)	kg / tubes / cartons	kg / spools
1.5	500	Neutral	0.03-0.08	1 / 5 / 20	1 till 10
2.0	500	Neutral	0.03-0.08	1 / 5 / 20	1 till 10
3.0	500	Neutral	0.03-0.08	1 / 5 / 20	1 till 10

REDRYING TEMPERATURE not required

OTHER DELIVERY FORMS Endless wire on spools (D-300) and customized rings.