

FONTARGEN A 3018

Copper-phosphorus alloy with high silver content



EN ISO 17672:	CuP 285
DIN 8513:	L-Ag18P
EN ISO 3677:	B-Cu75AgP-645
AWS/ASME/SFA-5.8:	BCuP-8

Composition, typical analysis (% w/w):

Ag	Cu	P
18	75	6,5

Mechanical and physical properties:

Working temperature:	670 °C
Melting range:	643-666°C
Specific gravity:	8.7 g/cm ³
Tensile strength:	250 N/mm ²
Elongation:	> 10 %

Characteristics / Applications:

Thin fluid copper-phosphorus alloy with high silver content and high ductility, even at low temperatures. Suitable for gap brazing of copper and copper alloys. Recommended for joints with strong thermal load and vibrations. Joint-brazing at working temperatures between -70 °C and +150 °C. Do not use in sulphurous environment and on Fe- and Ni-alloys.

Heatsources:

Acetylene torch, air-gas torch, furnace, induction and resistance heating, TIG-torch.

Flux:

Only copper alloys require the use of flux
F 300 - Series

Availability:

Bare rods	Coated rods	Wire	Foil	Preforms	Powder	Paste
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