

FONTARGEN A 3002

Silver containing copper-phosphorus alloy



ISO 17672:	CuP 279
EN ISO 3677:	B-Cu92PAg-645/825
DIN EN 1044:	CP 105
DIN 8513:	L-Ag2P
Material-no.:	2.1467

Composition, typical analysis (% w/w):

Ag	Cu	P
2	91.7	6.3

Mechanical and physical properties:

Working temperature:	740 °C
Melting range:	645 - 825 °C
Specific gravity:	8.1 g/cm ³
Tensile strength:	250 N/mm ²
Elongation:	5 %
Electrical conductivity:	4 Sm/mm ²

Characteristics / Applications:

Copper-phosphorus alloy with low silver content. This alloy has good gap filling properties and is well suited to bridge wide gaps. Suitable for gap brazing of copper and copper alloys. Approved by DVGW-worksheet GW 2 for copper pipes. Joint-brazing at working temperatures between -60 °C and +150 °C*. Do not use in sulphurous environment and on Fe- and Ni-alloys.

Heat sources:

Acetylene torch, induction and resistance heating, TIG-torch.

Flux:

Only copper alloys require the use of flux

F 300 - Series

Approval:

DVGW-Worksheet GW 2

Availability:

Bare rods	Coated rods	Wire	Foil	Preforms	Powder	Paste
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13/10/JL/1

*Acertained by notched flexural impact tests according to DIN EN 10045