A 2003 EASY FORM

Copper-phosphorus alloy

Classifications

DIN EN ISO 3677	DIN EN ISO 17672	DIN EN 1044	DIN 8513
B-Cu93P-710/820	CuP 180	CP 202	L-CuP7

Material-No.
2.1463

Composition, typical analysis (% w/w)

Cu	P
bal.	7

Mechanical and physical properties

Melting range	710 - 820 °C	Tensile strength	250 N/mm²
Working temperature	730 °C	Elongation (l=5d)	5 %
Specific gravity	8,1 g/cm^3		

Characteristics and typical fields of application

A 2003 EasyForm is a very homogeneous and capillary active brazing alloy. Despite its good flow characteristics, the alloy gives the operator the possibility to influence and control the flow behaviour by modelling. It is suitable for gab brazing on copper, brass, tin bronze and gunmetal. It suits to brazing joints operated at temperatures between -60 °C and +150 °C (determined by notched flexural impact tests acc. To DIN EN 10045). Do not use in sulphurous environment and on Fe- and Ni- containing base alloys.

Heat sources

Flame, induction and resistance heating, TIG-torch

Flux

Only copper alloys require the use of flux

F 300 - Series