

# Cudega blend Casting 100

## CuZn7Si3Mn Casting alloy for jewellery

Cudega blend Casting 100 is a special casting alloy free of nickel, lead and other hazardous metals which can be used as base material for custom jewellery.



### Properties and benefits

- Free of nickel, lead, cadmium, beryllium
- REACH conform

### Application area

- Base material for custom jewellery



## Technical Data

### Composition

Parameter	Range
Copper	90 – 92 weight%
Zinc	7 weight%
Silicon	3 weight%
Manganese	0,5 - 2 weight%
Nickel	< 90 ppm
Lead	< 90 ppm
Cadmium, Beryllium	< 10 ppm

### Physical and technical properties

Parameter	Range
Boiling point	2550 °C
Melting point	955 °C
Recommended casting temperature	1050 – 1100 °C
Recommended mold temperature	650 – 700 °C
Hardness	80 - 90 Brinell
Ingot weight	65 – 85 g or 200 – 250 g
Specific gravity	8,85 g/cm <sup>3</sup> at 20 °C
Ingot dimensions	90 / 25 / 15 mm
Recommended cooling time after casting before removing the mold	15 – 20 min





## Products available

.....Cudega blend Casting 100

FOR ANY FURTHER INFORMATION WE WILL BE PLEASED TO BE AT YOUR DISPOSAL  
PERSONALLY UNDER+ 43 (0)2287 71073 OR [OFFICE@IWGPLATING.COM](mailto:OFFICE@IWGPLATING.COM).

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This instruction sheet supersedes and replaces any previous version of this instruction sheet.

This instruction manual shall be followed by every treatment, application, use and handling of our products and chemicals for your own safety. The information, directions for use, instructions and notices set forth herein were developed according to our best knowledge and belief. We do not assume liability for improper treatment, handling or use of our products and in particular of the chemicals and for the violation of these instructions.

### **IWG Ing. W. Garhöfer Ges.m.b.H**

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our know-how  
is your success

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