



Lead and Nickel-free  
special-alloys for jewellery



## 1. Product information / company information

### 1.1 Product information

**GB CuZn15Si4Mn**

DIN 17656

Ring-alloy

customer-specific

### 1.2 Supplier

Wilhelm Grillo Handels-  
gesellschaft m.b.H.

www.grillo.at zentrale@grillo.at

## 2. Composition

Main ingredients are copper and zink

The copper-alloy is free of hazardous ingredients such as lead, nickel, cadmium and beryllium!

**The material is conform with REACH and SW-CLEAR regulations!**

### 2.2 Ingot maker

Metallschmelze  
Tattendorf GmbHGrillostrasse 1-5  
A-2523 TATTENDORF  
tel.: 0043 2253 72000  
www.grillo.at zentrale@grillo.at

## 3. Physical and technical properties

boiling point / boiling range:  
melting point / melting range:  
recommended casting temperature:  
recommended mold temperature:

hardness

ingot weight

specific density at 20 °C  
ingot dimensions

value	unit
2450	°C
890	°C
1000-1050	°C
650-700	°C
120	Brinell
65 - 85 or 200-250	g
8.60	g/cm <sup>3</sup>
90 / 25 / 20	mm

Recommended cooling time after casting  
before removing the mold 15 - 20 min

shape of ingot 1:1

