



Technical Data Sheet

GB CuSn12S

DIN 17656
Jewellery Bronze
customer-specific

1. Product information / company information

1.1 Product information

GB CuSn12S

DIN 17656

Jewellery Bronze

customer-specific

1.2 Supplier / ingot maker

**Wilhelm Grillo Handels-
gesellschaft m.b.H.**

information and ingot maker:
Metallschmelze Tattendorf, tel.: 0043 2253 72000
www.grillo.at zentrale@grillo.at

2. Composition

metal				
copper	87 - 88	weight %	nickel —	< 90 — ppm
tin	11,3 - 12,5	weight %	lead —	< 90 — ppm
phosphor	0 - 0,1	weight %	cadmium, beryllium	< 10 — ppm
zinc	0 - 0,3	weight %	—	—

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!

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	
2550	°C	
950-1000	°C	
1100-1150	°C	
600-650	°C	
110-120	Brinell	
65 - 85 or 200-250	g	
8.65	g/cm ³	
90 / 25 / 15 mm	or 25 / 25 / 15 mm	

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

shape of ingot 1:1



QM:
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responsibility : HS

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