

1. Product information / company information

1.1 Product information

GB CuZn7Si3Mn

DIN 17656

Hardbrass

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	90 - 92	weight %	nickel	< 90 ppm
zink	7	weight %	lead	< 90 ppm
			cadmium, beryllium	< 10 ppm

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
955	°C
1050-1100	°C
650-700	°C
80-90	Brinell
65 - 85 or 200-250	g g
8.85 90 / 25 / 15 mm	g/cm ³ or 25 / 25 / 15 mm

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

shape of ingot 1:1

