

# CuZn37

Designation	EN / CuZn37	EN / CW508L	UNS / C27200,C27400
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This brass alloy with 37 % zinc shows good values for mechanical strength and good workability.

## COMPOSITION OF MATERIAL

- Cu: 62 - 64 %
- Zn: balance

## PHYSICAL PROPERTIES

• Density	8,44 g/cm <sup>3</sup>
• Melting point	920 °C
• Electrical conductivity	15 m/Ω mm <sup>2</sup> (at 20 °C R300)
• Electrical resistivity	0,066 Ω mm <sup>2</sup> /m (at 20 °C R300)
• Temperature coefficient of electrical resistance	1,7·10 <sup>-3</sup> /K (at 0 to 100 °C R300)
• Thermal conductivity	120 W/K m (at 20 °C)
• Thermal capacity	0,377 J/g K (at 20 °C)
• Coefficient of thermal expansion (linear)	21·10 <sup>-6</sup> /K (at 20 to 300 °C)
• Modulus of elasticity (tensile)	110 GPa (at 20 °C R300)

MANUFACTURING PROGRAM	THICKNESS	WIDTH
Rolls, spools, sheets	0,01 - 0,2 mm	1 - 680 mm

*not all combinations of thickness and width are available  
or different dimensions please contact our technical service*

TEMPER ACCORDING TO DIN EN 1652			TYPICAL VALUES (information only)
	Tensile strength Rm in MPa	Yield strength Rp0,2 in MPa	Elongation in % Lo = 100 mm
R300	≤ 370	≤ 300	> 10
R420	350 - 440	≥ 170	< 40
R410	410 - 490	≥ 300	< 25
R480	480 - 560	≥ 430	< 10
R550	≥ 550	≥ 500	< 3

*The values in the table are valid only for foils with thickness > 0,2 mm.*

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