

Baksar - B01

CuZn37 | c27000 | CW508L



Baksar - B37 CuZn37 is a low copper content one-phase alloy having excellent cold working properties such as forming, bending, stamping, riveting, crimping and flanging with resistance to organic substances and neutral or alkaline compounds. The standards used are EN12449 for Tubes, EN12163 and EN12165 for Rods and EN12167 for Sections.

Chemical Composition

Cu	63
Pb	< 0.05 %
Zn	Remaining

Physical properties (Reference values at room temperature)

Electrical conductivity	MS/m	15,5 %IACS
Thermal conductivity	W/(m.K)	121 Btu.ft/(ft ² .h.F)
Coefficient of thermal expansion*	10 ⁻⁶ /K	20,2 10 ⁻⁶ /F
Density	10 ⁻⁶ /K	8,44 lb/in ³
Modulus of elasticity	GPa	110 ksi

Mechanical Properties

Temper	Wall Thickness in mm max	Tensile Strength Rm Mpa		Yield strength Rp0.2 Mpa		Elongation A50 %	Hardness HV		Hardness HB		
		min.	max.	min.	max.		min.	max.	min.	max.	
M		Cold-drawn state without any specific mechanical property									
R300	20	300	x	220	45	x	x	x	x	x	
H060	20	x	x	x	x	x	60	90	55	85	
R370	20	370	200	x	25	x	x	x	x	x	
H085	10	x	x	x	x	x	85	120	80	115	
R440	5	440	320	x	10	x	x	x	x	x	
H115	5	x	x	x	x	x	115	x	110	x	

Types and formats available*

Straight Length upto 6 meters

*Inner and Outer diameters varies upon customer order.

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The characteristics of the above products are for reference only, and may not reflect the actual properties of the materials.