

Data sheet CW508L CuZn37– Rolled products Alumeco A/S				Internal alloy name: CW508L International alloy name: CuZn37 DIN-Werkstoff no.: 2.0321 Alloy type: - Revision date: 11-01-2021			
Main usage <ul style="list-style-type: none"> Fasteners Industrial Casting characteristics Metal goods 		Main properties <ul style="list-style-type: none"> Cold forming process 		Important norms and literature Rolled products EN1652: Copper and copper alloys - Plate, sheet, strip and circles for general purposes. Rods: EN12163: Copper & copper alloys- general purpose-Rods		Tubes: EN12449: Copper and copper alloys- Seamless round tubes for general use Wires: EN12166: Copper & copper alloys-general purpose wires	
Chemical composition (%) DIN EN							
Cu	Al	Fe	Ni	Pb	Sn	Zn	Other elements
62,0-64,0	Max. 0,05	Max. 0,1	Max. 0,3	Max. 0,1	Max 0,1	Rest.	Max. 0,1
Typical mechanical properties DIN EN							
Material condition	Thickness range (mm)	Rm MPa	Rp_{0,2} MPa	A_{50mm} for thickness up to 2,5mm %	A for thickness up to 2,5mm %	Hardness HBW	Hardness HV
R300 (soft)	0,2 - 5	300-370	Max. 180	38	48	-	-
R350(1/2 hard)	0,2 – 5	350-440	Min. 170	19	28	-	-
<small>** Information values only</small>							
Physical properties							
Density (20 °C) g cm⁻³	Solidification range °C	Electrical conductivity %IACS	Thermal conductivity (20 °C) W m⁻¹ K⁻¹	Thermal expansion (20-300 °C) μm m⁻¹ K⁻¹	Annealing temperature °C	E - modulus (20 °C) N mm⁻²	
8.44	916	26	121	20,2	450-650	-	
Properties and information							
Fabrication Properties				Joining Methods			
Hot Formability		Good		Soldering		Excellent	
Cold Formability		Excellent		Brazing		Excellent	
				Oxy-acetylene welding		Good	
				Gas-shielded arc welding		Fair	