

Data sheet CW625N/ CuZn35Pb1.5AlAs Alumeco A/S		Internal alloy name: CW625N International alloy name: CuZn35Pb1.5AlAs DIN-Werkstoff no.: - Alloy type: Revision date: 19-01-2021									
Main usage <ul style="list-style-type: none"> Fittings used in aggressive (corrosive) water 		Main properties <ul style="list-style-type: none"> Meets ISO 6509 requirements regarding the dezincification resistance Comply with UBA hygienic list 				Important norms and literature EN12164: Copper and copper alloys. Rod for free machining purposes EN12165: Copper and copper alloys. Wrought and unwrought forging stock EN12167: Copper and copper alloys. Profiles and bars for general purposes					
Chemical composition (%) DIN EN											
Cu	Al	As	Fe	Mn	Ni	Pb	Sn	Zn	Other elements		
62,0-64,0	0,5-0,7	0,02-0,15	Max0,3	Max. 0,1	Max. 0,3	1,2-1,6	Max 0,3	Rest.	Max. 0,2		
Typical mechanical properties DIN EN											
Material condition		As Manufactured									
M											
<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			
8.4	875-900	19	93			21,3		-			
Properties and information											
Fabrication Properties					Joining Methods						
Hot Formability		Good			Soldering		Good				
Cold Formability		Very Good			Brazing		Fair				
					Resistance welding		Fair-Good				
					Shielded Welding		Fair				