

INFORMATION SHEET

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WAIERIAL	CW614N			FAIVIILY	Brass			SHEET	# CVV	014N.FIE	
					1	/ALENCY					
	IN		AFNOR			UNS		JIS		EN	
2.0401 (CuZn39Pb3)			-		C3	C38500		C 3603		CW614N	
(GUZII	1091 00)										
						ISATION					
	is commonly annula (tube)	used for th			ollowing produ	ict elements: Hub			⊠ Hon	طام	
☐ Ca		ylet (wire) opcock		⊠ Hub	⊠ nub			⊠ Handle			
					MANUE	ACTURING					
Turing, drillin	a millina		Grinding		WANUF	Laser cuttin	a		Electro erosion	n machining	
Excellent	19, 111111119		Not suggested			N/A			Good		
Sharping			Polishing				Laser marking			-	
Good			Excellent			Not suggested			-		
					ACCE	MBLING					
Bonding			Press fit				Soldering		Laser welding / Plasma		
-			Good			Good				N/A	
									,		
_						OMPOSITION [-				
Cu Pb Al				Mn	Ni	Sb	Sn	Zn	-		
56-61	1.5-3.5	≤ 0.	.1	≤ 0.5 ≤ 0.3		≤ 0.5 ≤ 0.02 ≤ 0.4		≤ 0.4	4 Reste -		
					MECHANICA	L PROPRIETIES	S				
Material state					Tensile strength Rm [MPa]						
		Ha	nrd					400 - (
						PROPRIETIES					
Density						Electrical resistivity			Thermal conductivity		
ρ [kg/m³] 8'460					ρ [μΩ × m] 0.068				λ [W/(m × K)] at 20°C		
2 122						icient of linear thermal expansion			Specific heat capacity		
E [GPa] at 20°C					α [10 ⁻⁶ / °C] between 20°C and 100°C			C _p [J/(kg × K)] at 20°C			
96					21.4				0.377		
Corrosion res											
Not suggeste	ed for corrosion	on resistanc	ce used as is	5.							
				RI	OCOMPATIRI	LITY (ISO 1099	3-1)				
Brass is not	recognized	as a bioco	mpatible m			· · · · · · · · · · · · · · · · · · ·		with the ex	xception of a	recommendation 1	
hypodermic n	needle hubs.					_					
						with human skir		ısils.			
The custome	r is responsib	le to verify	the compat	ibility of the	material selec	cted from its int	ended use.				
					IAT2	NDARDS					
					JIA	IDANDS					
EN 12164		Copper ar	nd copper al	loys. Rod fo	r free machini						

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