



MATERIAL DATA SHEET CW 608N (CUZN38PB2)

DESCRIPTION: CW 608N distinguishes itself with very good machining- and satisfactory cold forming properties, whom combined with good tensile properties produce an ideal combination. The material is suited for bending, riveting and compressing. Furthermore, it features good hot workability. In the metalworking industry, this alloy is used in a variety of products, especially fine mechanical- and optical devices, wristwatch parts as well as faucets.

CHEMICAL COMPOSITION								
%	Cu	Zn	Pb	Ni	Fe	Sn	Al	Miscellaneous
	60,0–61,0	Remainder	1,6-2,5	0,3 max.	0,2 max.	0,2 max.	0,05 max.	0,2 max.

MECHANICAL PROPERTIES ACCORDING TO DIN EN 12164									
State	Cross-Sectional Dimension		Tensile Strength	0,2 %- Yield Point	Ultimate Strain			Hardness	
	Diameter mm	Wrench Size	Rm N/mm ² min.	Rp 0,2 N/mm ² (approximately)	A100 % min.	A11,3 % min.	A % min.	HB / HV (approximately)	
M	from 2 to 80	from 2 to 60	As Manufactured						
R400	from 6 to 14	from 5 to 10	400	(160)	-	12	15	(90)	
R380	above 14 to 40	above 10 to 35	380	(160)	-	-	18	(90)	
R360	above 40 to 80	above 35 to 60	360	(150)	-	-	20	(90)	
R430	from 2 to 40	from 2 to 35	430	(250)	6	8	10	(120)	
R500	from 2 to 14	from 2 to 10	500	(390)	(4)	6	8	(150)	
R550	from 2 to 6	from 2 to 5	550	(420)	-	-	-	(150)	

USE: Miscellaneous parts for optics and fine mechanics, watch housings and movement plates, barrels, date rings, digits, clock hands, pin connectors, line strips and profiles for the graphical industry, circle stubs und -heads, luster terminals, perforated plates, valve parts, miscellaneous machined hollow parts, screws, loops, rivets, embossing tools, engraving plates, signs and metal letters, closed- and open-die forging.

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