MATERIAL DATA SHEET CW 508L (CUZN37)

DESCRIPTION: Due to its homogenous crystalline structure (α-solid solution), CuZn37 exhibits a good workability. Therefore this alloy is suited for non-cutting cold working such as deep drawing, pressing, compressing, stamping and bending. CuZn37 features a good resistance against water, steam, various saline solutions and organic fluids.

CHEMICAL COMPOSITION

%	Cu	Zn	Pb	Ni	Fe	Sn	Al	Miscellaneous
	62,0–64,0	Remainder	0,1 max.	0,3 max.	0,1 max.	0,1 max.	0,05 max.	0,1 max.

MECHANICAL PROPERTIES ACCORDING TO DIN EN 12449 (TUBES)

State	Wall Thickness	Tensile Strength	0,2 %- Yield Point		Ultimate Strain	Hardness			
	t mm max.	Rm N/mm² min.	Rp 0,2 N/mm²		A % min.	HV		HB	
			min.	max.		min.	max.	min.	max.
M	20	-	-	220	-	-	-	-	-
R300	20	300	-	-	45	-	-	-	-
H055	20	-	-	-	-	60	90	55	85
R370	10	370	200	-	25	-	-	-	-
H085	10	-	-	-	-	85	120	80	115
R440	5	440	320	-	10	-	-	-	-
H110	5	-	-	-	-	115	-	100	-

USE: Sanitary faucets, bathroom equipment, water boxes for radiators, door contact switches, contact parts in switches, plugs, plug connectors, power outlets and relays, clamps, fuses, safety contact clips, HF-hollow conductors, carbon brush brackets, pneumatic cylinders, flambeaus, lamp sockets, print rollers, snake- and ball chains, metal hoses, model railroad tracks, parts for brass instruments, pipe organ components, lyres, cymbals, tablets, bowls, badges, signs, tables and beds made from metal, blinds, decorative batten, leads.