

Cu Zn 28

BRASS

CHEMICAL COMPOSITION :

Copper	71-73 %
Zinc	balance

ALLOY DENOMINATIONS :

MATERIAL N° EN :	Not normalised
WN/MATERIAL N° DIN :	2.0261
ROBERT LAMINAGE :	300
EN :	-
DIN :	CU ZN28
AFNOR :	-
UNS* :	C 25600

*Unified Numbering System (USA)

PHYSICAL PROPERTIES :

Density 20° C	8.55	Kg/dm ³
Melting point	915-965	°C
Modulus of elasticity, longitudinal	114	GPa
Thermal Conductivity	130	W/M . K
Electrical Conductivity	≥ 16.5	M/Ω mm ²
Electrical resistivity	≤ 0.06	Ω mm ² /M
Coefficient of linear expansion from 20 up to 300°C	19.7 X 10 ⁻⁶	K ⁻¹
IACS (International Annealed Copper Standard)	≥ 28	%

WORKABILITY :

Coldworking	Very good
Hotworking	Good (750-870 °C)
Machining	Medium
Soldering, brazing	Very good
Tin soldering	Very good
Polishing	Very good
Annealing temperature	350-680 °C
Stress relieving heat treatment temperature	200-300 °C

MAIN APPLICATIONS :

Watch hands, pressparts,
Coining, bending, chemical engraving,
pressing, cutting, stamping

AVAILABLE SIZES :

Widths	from 2 up to 350mm
Thickness	from 0.01up to 2.5mm

TOLERANCES :

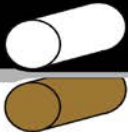
Depending on product

CONDITIONING :

- In coils
- Cut to length, from 0.5 up to 3 m

QUALITY OF EDGES :

Slit edges



MECHANICAL PROPERTIES :

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DIN NORM 17670

TEMPER	THICKNESS	Rm (MPa)		Rp 0.2 (Mpa)	ELONGATION		Vickers HARDNESS	
		min	max		0.10 up to 2.5 mm A50 % min	above 2.5 mm A100 % min	min	max
F27	≥ 0.2	270	350	max 160	50	45	-	-
H55	≤ 5	-	-	-	-	-	55	90
F35	≥ 0.2	350	420	min 200	33	30	-	-
H90	≤ 5	-	-	-	-	-	90	125
F42	≥ 0.2	420	520	min 340	15	12	-	-
H125	≤ 5	-	-	-	-	-	125	160
F52	≥ 0.2	520	-	min 470	8	5	-	-
H160	≤ 2	-	-	-	-	-	160	-