

CuNi12Zn25Pb1 Alloy Data Sheet

Commercial Name : Free Cutting Nickel Silver Strips

The quality of the provided material to make high quality key blanks.

Application : Keys for locks, padlocks, automotive industry.

Reference Standard:

GMSL: CuNi12Zn25Pb1

EN 1652:1998 (CW404J)

Chemical Composition:		(% By Weight)
A	Copper	60-63 %
B	Lead	0.5 - 1.5 %
C	Nickel	11 - 13 %
D	Manganese	0.50 % Max.
E	Iron	0.30 % Max.
F	Tin	0.20 % Max
G	Zinc	Rem.

Physical Properties:		Units
A	Density	8.7 g/cm3

Applications:

- Keys for Locks
- Padlocks
- Automotive Industry

Surface Characteristics:

Surface Appearance : Both surfaces smooth, shiny without obvious scores and / or scratches that compromise the aesthetic quality of the finished product. Edge Finish is well trimmed, with no burrs, flakes or lateral deformation on the wap.

Mechanical Properties:

A	Rm - Tensile Strength (Mpa) (R530)	530 - 610
B	Rp0.2 0.2 % - Tensile Strength (Mpa) (R530)	420
C	A - Min. Elongation Lo = 50mm (%) (R530)	3
D	Vickers Hardness (HV) : (H155)	170-190

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