



SERIES 1000

AW 1050 (Al 99,5)

The aluminum alloy AW1050 has high resistance to corrosion, high flexibility, high thermal and electrical conductivity and low mechanical resistance. This alloy is especially suitable for bending.



CHEMICAL COMPOSITION (WEIGHT %) (EN 573 - 3)

ELEMENTS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
Minimum	-	-	-	-	-	-	-	-	99.5
Maximum	0.25	0.4	0.05	0.05	0.05	-	0.07	0.05	-

MECHANICAL PROPERTIES (EN 485 - 2)

TEMPER	THICKNESS (mm)	Rm (MPa)		Rp0.2* (MPa)	A50 (%)	HB - BRINELL HARDNESS
		min.	max.			
H111 e H24	0.3 - 20	105	145	75	3-8	33

*Minimum values.

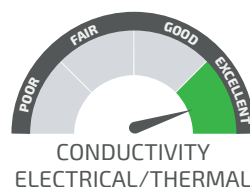


MAIN CHARACTERISTICS

- Low mechanical strength
- Excellent resistance to corrosion
- High thermal and electrical conductivity
- Good formability
- Good weldability
- High reflectivity

APPLICATIONS

- Electric sector
- Pharmaceutical industry
- Chemical and food industry
- Automobile industry
- Architecture and construction
- Signaling





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PHYSICAL PROPERTIES

DENSITY	2.70 g/cm ³
MODULUS OF ELASTICITY	69 000 MPa
LINEAR EXPANSION COEFFICIENT	23.5 10 ⁻⁶
THERMAL CONDUCTIVITY	229 W/mK
ELECTRICAL CONDUCTIVITY	29 nΩ.m

DELIVERY PROGRAM

PLATES

THICKNESS (mm)	DIMENSIONS (mm)	STOCK H111 and H24
0,3 - 20,0	1000 x 2000 mm	●
0,3 - 20,0	1250 x 2500 mm	●
0,3 - 20,0	1500 x 3000 mm	●

POLY

LANEWA

- Standard: generally available from stock
- ◐ Semi-standard: generally not available from stock
- Non-standard: generally not available from stock, manufactured to order and subject to special conditions.