Features

Low mechanical strength. High resistance to corrosion. High electrical and thermal conductivity. Easy creation, good weldability.

Routine Use

Chemical, pharmaceutical and food, utensils and appliances, containers, electrical, signs, graduated scales, packaging (tubes, boxes, caps), thin foils, ceilings.

Possibilities of application and use

	CRITERIA	
CORROSION	Resistance to normal atmosphere	Excellent
	Resistance industrial atmosphere	Excellent
ELECTRICAL COND.	Electrical conductivity	Excellent
SUP. TREATMENT	Polishing	Excellent
	Industrial anodizing	Excellent
	Decorative anodizing	Excellent
CONFORMED	Hot folded	Excellent
	Cold folded	Good
	Inlaid/repulsed	Good
	Forged	–
	Machining	Medium-Bad
ASSEMBLY	Welding under protective atmosphere	Excellent
	Resistance welding	Good

Chemical composition

ELEMENTS	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Bi	Pb	Al	OTHER
MINIMUM	–	–	–	–	–	–	–	–	–	–	–	–	–

MAXIMUM	0.25	0.4	0.05	0.05	0.05	0.05	0.05	0.07	0.05	–	–	REST	–

% weight

Mechanical features

METALLURGICAL STATUS	Rp 0.2 (MPa)	Rm (MPa)	A50 (%)	Hardness HB
O/H-111	20	64-95	28	20
H18	120	140	5	44
H-24	105	105-145	10	36

Bending radius

	THICKNESS						
ALLOY/STATUS	0.4>e<0.8	0.8>e<1.6	1.6>e<3.2	3.2>e<4.8	4.8>e<6.0	6.0>e<10	10>e<12
	COEFFICIENTS FOLDING						
0/H111 1050	0	0	0	0.5	1	1	1.5
H24 1050	0	0.5	1	1	2	2	2.5

* MULTIPLY BY THE RATIO THICK PLATE AND OBTAIN THE RADIO FOLDING