



FEATURES

CERTAL plate is an alloy with excellent AW7022 improved mechanization. Good form stability and high mechanical properties across the plate.

ROUTINE USE

Parts moving parts, injection and compression molds for plastics, thermoforming, blow molding or vacuum all types of plastics. Heating plates, guides, mechanical, industrial tools and helpful support.

POSSIBILITIES OF APPLICATION AND USE

	CRITERIA	T-651
CORROSION	Resistance to normal atmosphere	Low
	Resistance industrial atmosphere	Low
ELECTRICAL COND.	Electrical conductivity	Good
SUP. TREATMENT	Polishing	Excellent
	Industrial Anodizing	Good
	Decorative Anodizing	Unsuitable
	Hot folded	-
CONFORMED	Cold folded	-
	Imlaid/repulsed	-
	Forged	Excellent
ASSEMBLY	Machining	Excellent
	Welding under protective atmosphere	Possible
	Resistance welding	Good

CHEMICAL COMPOSITION

ELEMENTS	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	OTHER
MINIMUM	-	-	0.50	-	2.50	-	-	4.30	-	-	-
MAXIMUM	0.50	0.50	1.00	0.10	3.70	0.10	-	5.20	0.25	REST	-

% weight

MECHANICAL FEATURES

METALLURGICAL STATUS	Rp 0.2 (MPa)	Rm (MPa)	A50 (%)	Hardness HB
T-651	495	550	8	170