



FEATURES

High resistance to corrosion. Forming easy. Good weldability with filler material. Very good ability to polishing. Suitable for decorative anodizing.

ROUTINE USE

Elements subjected to high mechanical stresses, engineering structures. Shipbuilding, construction vehicles, appliances, electrical industry, food industry, precision parts, molds and ceramic shoes.

POSSIBILITIES OF APPLICATION AND USE

	CRITERIA	T-651
CORROSION	Resistance to normal atmosphere	Excellent
	Resistance industrial atmosphere	Excellent
ELECTRICAL COND.	Electrical conductivity	Medium
SUP.	Polishing	Not Used
	Industrial Anodizing	Excellent
	Decorative Anodizing	Good
	Hot folded	Excellent
CONFORMED	Cold Folded	Excellent
	Inlaid/repulsed	Good
	Forged	Not Used
	Machining	Good
ASSEMBLY	Welding under protective atmosphere	Excellent
	Resistance welding	Good

CHEMICAL COMPOSITION

ELEMENTS	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	OTHER
MINIMUM	0.70	-	-	0.40	0.60	-	-	-	-	-	-
MAXIMUM	1.30	0.50	0.10	1.00	1.20	0.25	-	0.20	0.10	REST	-

% weight

MECHANICAL FEATURES

METALLURGICAL STATUS	Rp 0.2 (MPa)	Rm (MPa)	A50 (%)	Hardness HB
T-651	240	295	10	100