



FEATURES

High strength alloy. High strength, suitable for parts subjected to great hardships.

ROUTINE USE

Blow molds, dies, machinery, weapons, armor, automotive industry, stampings, etc..

POSSIBILITIES OF APPLICATION AND USE

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

CHEMICAL COMPOSITION

ELEMENTS	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	OTHER
MINIMUM	-	-	1.20	-	2.10	0.18	-	5.10	-	-	-
MAXIMUM	0.40	0.50	2.00	0.30	2.90	0.28	-	6.10	0.20	REST	0.25 Zr + Ti

% weight

MECHANICAL FEATURES

METALLURGICAL STATUS	Rp 0.2 (MPa)	Rm (MPa)	A50 (%)	Hardness HB
0	150	280	-	-
T6	480	540	11	145