7020

EURAL GNUTTI S.p.A.

According to EU directives:
2000/53/CE (ELV) - 2002/95/CE (RoHS)

PRESENTATION

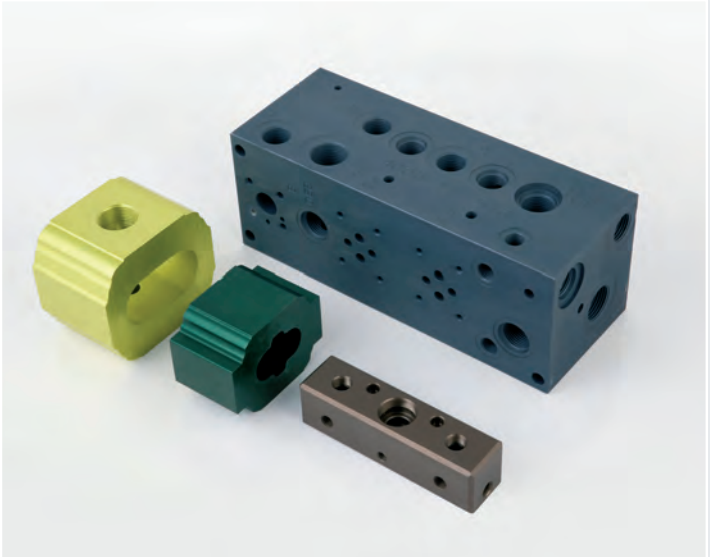
This alloy has medium mechanical resistance, high resistance to fatigue and excellent weldability. Also machinability is good.

Main applications: hydraulic components, welded structural components for civil structures, railroad and street heavy vehicles, military structures, carpentry.

Properties	T6
Machinability	
Protective anodizing	
Decorative anodizing	
Hard anodizing	
Resistance to atmospheric corrosion	
Resistance to marine corrosion	
MIG-TIG weldability	
At resistance weldability	
Brazing weldability	
Plastic formability when cold	
Plastic formability when hot	

Legend

Excellent | Good | Acceptable | Not recommended



Chemical composition	
Si	≤0,35
Fe	≤0,40
Cu	≤0,20
Mn	0,05 ÷ 0,50
Mg	1,00 ÷ 1,40
Cr	0,10 ÷ 0,35
Ni	
Zn	4,00 ÷ 5,00
Ti	
Zr	0,08 ÷ 0,20
Pb	
Bi	
Al	Rem.

Physical characteristics		
Density	$\frac{Kg}{dm^3}$	2,78
Modulus of elasticity	MPa	72.000
Coefficient of thermal expansion	$\frac{x10^{-6}}{°C}$	23,3
Thermal conductivity at 20°C	$\frac{W}{mk}$	140
Electrical resistivity at 20°C	$\frac{\Omega\ mm^2}{m}$	0,046

Mechanical properties

	Temper	Rm MPa	Rp 0,2 MPa	A%	HBW
Extruded	T6	350	290	10	110
	T6*	390	330	12	120
Drawn	T6	350	280	10	110
	-	-	-	-	-

** Typical Eural Characteristics*