

6262 by EURAL

Colour code
EU yellow

Colour code
USA orange



PRODUCTION PROGRAM

Unit: mm	●	■	■	◆
Drawn	6 ÷ 76,2	10 ÷ 65	Thick. 12 ÷ 55	10 ÷ 63,5
Extruded	30 ÷ 254	50 ÷ 165	Thick. 30 ÷ 127	–



PRESENTATION

This alloy has good machinability and high mechanical characteristics. Moreover, it has good resistance to corrosion and suitability to hard, protective and decorative anodizing.

Main applications: structural components for civil constructions, railroad and street heavy vehicles.

Samples of finished products made of Eural bars

Properties	T6	T8/T9
Machinability	Excellent	Good
Protective anodizing	Good	Good
Decorative anodizing	Good	Good
Hard anodizing	Good	Good
Resistance to atmospheric corrosion	Good	Good
Resistance to marine corrosion	Good	Good
MIG-TIG weldability	Good	Good
At resistance weldability	Good	Good
Brazing weldability	Good	Good
Plastic formability when cold	Good	Good
Plastic formability when hot	Good	Good

Legend	Excellent	Good	Acceptable	Not recommended
	■	■	■	■



Chemical composition	
Si	0,40 ÷ 0,80
Fe	≤ 0,70
Cu	0,15 ÷ 0,40
Mn	≤ 0,15
Mg	0,80 ÷ 1,20
Cr	0,04 ÷ 0,14
Ni	
Zn	≤ 0,25
Ti	≤ 0,15
Pb	0,40 ÷ 0,70
Bi	0,40 ÷ 0,70
Others	Each 0,05 Total 0,15
Al	Remainder

Physical properties		
Density	Kg/dm ³	2,72
Modulus of elasticity	MPa	69.000
Coefficient of thermal expansion	x10 ⁻⁶ /°C	23,4
Thermal conductivity at 20°C	W/mk	172
Typical electrical resistivity at 20°C	Ω mm ² /m	0,038

Mechanical properties					
Temper	Diam. mm	Rm MPa	Rp0,2 MPa	HBW A%	Typical
Drawn	T6	≤ 80	290 240	10 85	
	T8	≤ 50	345 315	4 -	
	T9	≤ 50	360 330	4 -	
Extruded	T6	≤ 200	260 240	10 75	

www.eural.com