

### Standards

Material No.	EN Designation
2.0921	CuAl8

### Description

CuAl8 is a copper-aluminum alloy for MIG-welding.

### Special properties

High temperature and corrosion resistance.

### Chemical Composition

Mn ≤ %	Ni %	Cu %	Al %	Fe %
0.50	≤ 0.80	Rest	7.50-9.00	≤ 0.50
Pb %	Zn %			
≤ 0.10	≤ 0.50			

### Mechanical Properties 20°C

Hardness HB 30 ≤ HB	0.2% Yield strength R <sub>p</sub> ≥ N/mm <sup>2</sup>	Tensile strength R <sub>m</sub> N/mm <sup>2</sup>	Elongation A <sub>5</sub> ≥ %	Modulus of elasticity kN/mm <sup>2</sup>
100	200	390-450	25	115

### Physical Properties 20°C

Density g/cm <sup>3</sup>	Thermal conductivity W/m K	Electrical conductivity MS/m
7.7	65	≥ 8.0

### Application

Arc-welding (automotive industry)

### Available forms for 2.0921 / CuAl8

