

### Standards

Material No.	EN Designation
2.0960	CuAl9Mn2

### Description

CuAl9Mn2 is a copper-aluminum-alloy with manganese contents.

### Special properties

Wear resistant alloy with good stress values.

### Chemical Composition

Ni %	Cu %	Al %	Fe %	Pb %
≤ 0.80	Rest	8.00-10.0	1.50-3.00	≤ 0.05
Zn %				
≤ 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>
150	200	540-590	14	190

### Physical Properties 20°C

Density g/cm <sup>3</sup>	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical conductivity MS/m
7.6	440	88	4-6

### Application

Gearings, bushings, plastic injections

### Available forms for 2.0960 / CuAl9Mn2

