

Standards

Material No.	EN Material No.	EN Designation
2.0936	CW306G	CuAl10Fe3Mn2

Description

CuAl10Fe3Mn2 is a copper-aluminum-alloy with iron and manganese contents.

Special properties

High strength and hardness even in higher temperatures. Good corrosion resistance.

Chemical Composition

Si ≤ %	Mn ≤ %	Ni %	Cu %	Al %
0.20	1.50-3.50	≤ 1.00	Rest	9.00-11.0
Fe %	Pb %	Zn %		
2.00-4.00	≤ 0.05	≤ 0.50		

Mechanical Properties 20°C

Hardness HB 30 ≤ HB	0.2% Yield strength R _p ≥ N/mm ²	Tensile strength R _m N/mm ²	Elongation A ₅ ≥ %	Modulus of elasticity kN/mm ²
180	330	560-690	7-12	120

Physical Properties 20°C

Density g/cm ³	Thermal conductivity W/m K	Electrical conductivity MS/m
7.6	57	6

Application

Gearings, screws and nuts, anchors

Available forms for 2.0936 / CuAl10Fe3Mn2

Bars	Forged / cast parts	Finished part (drawing)
		