

Standards

Material No.	EN Material No.	EN Designation
2.0980	CW334G	CuAl11Fe6Ni6-C

Description

CuAl11Fe6Ni6-C is a copper-aluminum-alloy with iron and nickel contents.

Special properties

High mechanical properties. Excellent fatigue strength. Seawater resistance. Good wear resistance.

Chemical Composition

Si ≤ %	Mn ≤ %	Ni %	Cu %	Al %
0.10	2.50	4.00-7.50	72.0-78.0	10.0-12.0
Fe %	Mg %	Pb %	Zn %	
4.00-7.00	≤ 0.05	≤ 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
185	320	680-750	5	110

Physical Properties 20°C

Density g/cm ³	Thermal conductivity W/m K	Electrical conductivity MS/m
7.6	60	3.5

Application

Bearings, valves

Available forms for 2.0980 / CuAl11Fe6Ni6-C

Forged / cast parts	Finished part (drawing)
	