

Standards

Material No.	EN Material No.	EN Designation	UNS
2.0940	CC331G	CuAl10Fe2-C	C95200

Description

CuAl10Fe2-C is a copper-aluminum-alloy with iron contents.

Special properties

Construction alloy, which offers a low temperature-dependency from -200°C up to +200°C.

Chemical Composition

Si ≤ %	Mn ≤ %	Ni %	Cu %	Al %
0.20	1.00	≤ 1.50	83.0-89.5	8.50-10.5
Fe %	Mg %	Pb %	Zn %	
1.50-3.50	≤ 0.05	≤ 0.10	≤ 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
130	200	≥ 550	15-18	110

Physical Properties 20°C

Density g/cm ³	Thermal conductivity W/m K	Electrical conductivity MS/m
7.5	55	4-6

Application

Bushings

Available forms for 2.0940 / CuAl10Fe2-C

Forged / cast parts	Finished part (drawing)
	