



TIG CUA8

Old reference: TIG CuAl8

Classification

ISO 24373 : S Cu 6100 (CuAl7) Material N° : 2.0921
 AWS A5.7 : ERCuAl-A1

Description & Applications

Solid rod recommended for assemblies made of copper-aluminium like pipelines and heat exchangers. Frequently used for hardfacing pumps. In general, the product has an excellent resistance to friction and to marine corrosion. Also used in assemblies of galvanised sheets, special brass (CuZn20Al).

Base materials:

UNS	Alloy	DIN	Material N°
C60600		CuAl5	2.0916
C61000		CuAl8	2.0920
C68700	Yorcalbro	CuZn20Al2	2.0460

Typical Chemical Composition (%)

Si	Fe	Mn	Ni	Pb	Al	Zn	Cu
0.03	0.05	0.1	0.2	<0.02	8.1	<0.1	Base

All Weld Metal Mechanical Properties

R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)
180	400	40

Welding Current & Instructions

Welding mode	Shielding Gas
TIG = -	Ar : 5-10 l/min Argon / He : 5-10 l/min

Pre-heating at 200 to 300°C is advised for massive parts.

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