



# MIG CUA9

Old reference: MIG CuAl9

## Classification

ISO 24373 : S Cu 6180 (CuAl10Fe1)      Material N° : 2.0937  
 AWS A5.7 : ERCuAl-A2

## Description & Applications

Solid wire for GMAW of copper-aluminium alloys of similar composition. The deposits are harder than those of MIG CuAl8, and are often used for surfacing of ferritic/perlitic steels. High resistance to wear and metal-metal abrasion.

**Main applications:** Assemblies and surfacing of aluminium-bronze, of aluminium coated steels, of cast iron used in machining tools industry and in naval construction. Welding of aluminium-bronze piping resistant to seawater corrosion, erosion and cavitation.

## Typical Chemical Composition ( % )

Al	Fe	Pb	Zn	Ni	Si	Cu
9.8	1.2	<0.02	<0.02	0.007	<0.1	Rem.

## All Weld Metal Mechanical Properties

R <sub>p0.2</sub> ( MPa )	R <sub>m</sub> ( MPa )	A <sub>5</sub> ( % )
	500	35

## Welding Current & Instructions

Welding mode	Wire Ø (mm)	Welding parameters		Shielding Gas
		Pulsed arc (A)	(V)	
MIG = +				Ar Ar + He

ind.10



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