

SF-Cu

SAFRA
Al9Fe

DESCRIPTION

This weld metal is a bronze-aluminium one that is generally used for joining aluminium-bronze or similar compositions, for manganese, silicium, bronze and some copper-nickel alloys. The SAFRA alloy SAFRA SF-CuAl9Fe is suitable for welding parts which can undergo seawater corrosion. It is also used for joining dissimilar alloys, as for example copper and steel, cast iron, bronze and for a wide range of coating applications. Excellent for metal spraying.

AWS A5.7/A5.7M

Er Cu Al-A2

EN ISO 24373

SCu6180-CuAl10Fe

SHIELDING GASES FOR GMAW/GTAW

Argon: l1

Portata del gas:
14-18 l/min

MECHANICAL CHARACTERISTICS

Tensile strenght Rm: 390 - 500 N/mm²

Elongation L=5d: 45%

Hardness: 90 - 120 HB

Hardness after work hardening: 140 -160 HB

Mechanical properties quoted above are approximate values, intended for guidance only.

CHEMICAL COMPOSITION

in%(m/m)^(a,b) as per EN ISO 24373

Al	8,5 - 11,0
Si	0,1
Mn	-
Ni incl. Co	-
Zn	0,02
Pb	0,02
Fe	1,5
Cu	remainder
	others total 0,5

AVAILABLE SIZES*

MIG: 12,5 Kg – 15 Kg D300 or K300/KS300 spools

Diameter of the wire

0,8 mm - 0,9 mm - 1,0 mm - 1,2 mm - 1,6 mm - 2,0 mm - 2,4 mm

TIG carton box of 10 Kg o Kg 25 (x 1000 mm length)

Diameter of the rods

1,6 mm - 2,0 mm - 2,4 mm - 3,2 mm - 4,0 mm

* More diameters and packaging upon request

(a) Single values shown in the table are maximum values, unless otherwise noted.

(b) Chemical analysis as per AWS A5.7/A5.7M upon request.