



SAFRA SF-Cu.Si.3

A.W.S. A5.7:
ER Cu Si-A

DIN 1733:
SG-Cu Si 3
WERKS.2.1461

BS 2901 Pt.3: C 9
EN 14640:S Cu SiMn1
S Cu6560

DESCRIPTION

This alloy is used for inert gas arc welding of metals with copper basis, as, for example, copper-silicium, copper-zinc and galvanized sheets, also connected to steel. This material is frequently used for fixing in artistic foundries, for welding galvanized sheets and even as coating of steel using the MIG and TIG methods. It is also suitable for surfaces subject to corrosion.

CHEMICAL COMPOSITION

Al	<0,01
Si	2,8 - 4,0
Mn	0,75 - 1,5
Sn	<0,20
Zn	<0,20
Pb	<0,02
Fe	<0,3
P	<0,02
Cu	remainder
OTHERS TOTAL <0,40	

SHIELDING GASES FOR GMAW/GTAW

Argon: DIN 32526 I1
Gas flow rate: 14-18 L./min.

MECHANICAL CHARACTERISTICS:

Tensile strenght Rm:	330 - 370 N/mm ²
Elongation L=5d:	40%<=
Hardness:	80 - 90 HB

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

AVAILABLE SIZES

MIG: 12,5 kg – 15 kg D300 or K300/KS300 Spools

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

DIAMETER OF THE WIRE

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

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