



SAFRA SF-Cu.Sn.6

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

DIN 1733:
SG-Cu Sn6
WERKS.2.1022

BS 2901 Pt.3: C11
EN 14640: S Cu Sn 6P
S Cu 5180

DESCRIPTION

This bronze wire has a high percentage of tin. It is suitable for both TIG and MIG methods and it is excellent for fixing in artistic foundries. Ideal for surfaces, this material improves the hardness and can also be used for fixing worn surfaces with similar basis metals.

CHEMICAL COMPOSITION

Al	<0,01
Sn	4,0 - 6,0
Zn	<0,10
Pb	<0,02
Fe	<0,10
P	0,10 - 0,35
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:	320- 360 N/mm2
Elongation L=5d:	25%<=
Hardness:	80 - 90 HB
Hardness after work hardening:	130 HB
Conductivity:	9 m/OHM mm2

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