SF-Cu SAFRA Mn13Al7

DESCRIPTION

The alloy SAFRA SF-CuMn13Al7 is a welding wire containing manganese, nickel, aluminium and bronze. This is suitable for joining or fixing cast metals and for welding basis metals with similar compositions. Other applications include the resistance to using bronze-alloy-surfaces and surface applications on CMn steels and cast iron, which require bronze diffusion bonding. Coatings with this alloy allow a very high corrosion, erosion and cavitation resistance. Excellent in marine, power and chemical plants for the production of propellers, pumps and seawater devices.

AWS A5.7/A5.7M
Er Cu MnNiAl

EN ISO 24373
S Cu 6338
CuMn13Al8Fe3Ni2

SHIELDING GASES FOR GMAW/GTAW

Argon: I1

Gas flow rate:
14-18 l/min

MECHANICAL CHARACTERISTICS

Tensile strenght Rm:	800- 900 N/mm²
Elongation L=5d:	10%
Hardness:	180 - 220 HB
Hardness after work hardening:	200 -240 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
Diameter of the wire
1,2 mm - 1,6 mm

** More diameters and packaging upon request*

CHEMICAL COMPOSITION

in%(m/m)[a,b] *as per EN ISO 24373 / AWS A5.7/A5.7M*

Al	7,0-8,5
Si	0,1
Mn	11,0 - 14,0
Ni incl. Co	1,5 - 3,0
Sn	-
Zn	0,15
Fe	2,0 - 4,0
Pb	0,02
Cu	remainder
	others total 0,5

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

Safra
ALUMINIUM • COPPER ALLOYS WELDING WIRE