UTP A 32

TIG rod

Classifications		
EN ISO 24373	AWS A5.7	Material-No.
S Cu 5180 (CuSn6P)	ER CuSn-A mod.	2.1022

Characteristics and field of use

UTP A 32 is used for joining and surfacing copper-tin alloys with 6-8%Sn, copper-zinc alloys, and copper-tin-zinc-lead alloys. Cladding on cast iron and steel is also possible.

UTP A 32 is corrosion resistant and has good gliding properties. Very good weldability.

Typical analysis in %

Sn	P	Cu	Fe
7,0	<0,3	balance	<0,1

Mechanical properties of the weld metal

Yield strength $R_{P0,2}$	Tensile strength R_m	Elongation A_5	Hardness	El. conductivity $S \cdot m / mm^2$	Melting range
MPa	MPa	%	HB		° C
150	300	20	80	7-9	910-1040

Welding instruction

Clean weld area thoroughly and weld with low amperage. For wall thicknesses above 10 mm preheat to 100-250°C.

Rod diameter x length [mm]	Current type	Shielding gas (EN ISO 14175)
1,6 x 1000	DC (-)	I 1
2,0 x 1000	DC (-)	I 1
2,4 x 1000	DC (-)	I 1
3,2 x 1000	DC (-)	I 1

All information provided is based upon careful investigation and intensive research.
However, we do not assume any liability for correctness and information is subject to change without notice.