CEWELD CuSi 3 Laser brazing -welding wire

certilas® THE FILLER METAL SPECIALIST

TYPE

Copper-Silicon filler metal for Laser brazing.

ANWENDUNGEN

Brazing thin plates and or galvanized plates in the car industry and also for cladding CuMn, CuSiMn and CuZn alloys. Suitable for cladding cast iron and un- and low alloyed steels. Examples: Automobile industry, art work, cladding on steel, cast iron and copper alloys etc.

EIGENSCHAFTEN

High quality alloyed copper wire designed for laser welding and brazing. The deposit is a Copper-Silicon bronze. Sound, pore free deposits on ferrous and non-ferrous base materials. Excellent corrosion resistance.

KLASSIFIKATION

AWS	A 5.7: ERCuSi-A
EN ISO	24373: Cu 6560 / CuSi3Mn1
W.Nr.	2.1461
F-nr	32

GEEIGNET FÜR

Joining thin steel plates and or galvanized plates in the car industry and also for cladding CuMn, CuSiMn and CuZn alloys. Suitable for cladding cast iron and un- and low alloyed steels.

ZULASSUNGEN

SCHWEISSPOSITIONEN

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

Si	Mn	Fe	Zn	Pb	Sn	Al	Cu
3.5	1	0.3	0.8	0.01	0.5	0.005	Rem.

MECHANISCHE GÜTEWERTE

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded		350		80 HB

RÜCKTROCKNUNG

Not required

GAS ACC. EN ISO 14175

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