

CEWELD CuSi 3 Laser brazing -welding wire

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	      							
TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%)	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)	R _m (MPa)	A5 (%)	Hardness		
	As Welded			350		80 HB		
RÜCKTROCKNUNG	Not required							
GAS ACC. EN ISO 14175	I1							