

COPPERFIL CuSi3

MIG-MAG Wires Nickel and Copper alloys

Copperfil CuSi3 is used for the inert gas welding of copper base alloys, for example, copper-silicon, copper-zinc and galvanized sheets, also welded to steel. This wire is frequently used for joining in artistic foundries, for welding galvanized sheets and even as a steel coating. It is also suitable for surfaces subject to corrosion.

Classification	
AWS	A5.7: ER CuSi-A
DIN	1733: SG-Cu Si3
EN	14640: S CuSi3Mn1-S Cu 6560

Approvals	Grades

Analysis of all-weld metal (Typical values in %)

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Fe	Cu	Sn
-	0.75	2.80-4	≤ 0.020	-	-	-	-	-	≤ 0.30	Rem	-

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation A5 (%)	Impact Energy ISO - V (J)	Hardness
As Welded	-	330-370	≥ 40	-	80-90 HB

Gas test: Acc. To EN 439: I1(Arcal1)

Shielding Gas: Acc. To EN 439: I1(Arcal1)

Storage

Keep dry and avoid condensation.

Current condition and welding position

DC+



Packaging data: K300 Kg. 16

Diameters	1,0	1,2				
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