

COPPERFIL CuSi3 is an S Cu 6560 / ER CuSi-A type solid MIG welding wire, supplied precision layer wound, depositing Cu-3Si weld metal. Suitable for use with inert shielding gases.

COPPERFIL CuSi3 is used for 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 cladding. It is also suitable for surfaces subject to corrosion.

COPPERFIL CuSi3 is used also for GMA Brazing where a very small active component is suggested in the shielding gas.

Classification

EN ISO	24373: S Cu 6560 (CuSi3Mn1)
AWS	A5.7: ER CuSi-A

Chemical analysis (Typical values in %)

Mn	Si	Cu	Fe	Al
1.1	3.4	Rest	0.2	0.01

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation	Impact Energy ISO - V (J)	Hardness
				+20 °C	
Brut de soudage	>100	>345	≥40	>50	80-90 HB

Gas test: 100% Ar

Shielding Gas - EN ISO 14175 : I1, I3

Materials

pour des applications de Brazage-MIG

alliages Cu-Al, comme CuAl8, CuAl5, G-CuAl9

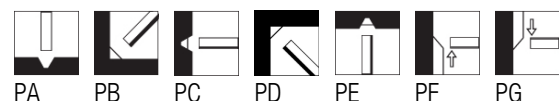
pour aciers Galvanisés

Storage

Keep dry and avoid condensation.

Current condition and welding position

DC+



Packaging data

Packaging Type	BS300
Diam(mm) / weight(kg)	15
0.8	W000283273
1.0	W000283275
1.2	W000283279
1.6	W000283283