

Copper Alloy Welding Wires

SM-CuSi A

Type
Silicon Bronze

Conformances

AWS A5.7 ERCuSi-A
EN ISO 14640 CuSi3Mn1
GB/T9460 SCu6560

Shielding Gas

Argon 100%

Key Features

- Good mechanical properties
- Argon Arc welding of copper alloys and MIG brazing of steel
- Pre-heat suggested when MIG hard facing for large size products and use pulsed argon arc welding while hard facing on steel

Typical Application

- Best for butt & hard facing of brass, especially for MIG welding of Zinc coated steel sheet

Chemical Composition (%)

Cu	Al	Fe	Mn	Ni	P	Pb	Si	Sn	Zn	Others
bal.	0.01	0.50	1.5	-	-	0.02	2.8-4.0	1.0	1.0	0.50

Mechanical Properties

Tensile Strength (Rm)	Elongation
330 ~ 370 N/mm ²	40 %