

CuSi 3

Copper Alloy MIG/MAG-Wire TIG – Rods

Specifications:

DIN 1733: SG - CuSi3
 EN 14640: S Cu 6560 (CuSi3Mn1)
 Werkstoff Nr. 2.1461
 AWS-Bezeichnung: ER CuSi-A

Application:

CuSi-wire/rod for joining copper and copper-tin alloys.
 Surfacing on steel casts and un-/low alloyed steels.
 Also suitable for MIG-BRAZING.

MIG: recommended	TIG: recommended	GAS: unsuitable
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Chemical Composition Element by weight (%):

Cu : Basis Sn: 0,10 Si: 3,00 Mn: 1,00 Zn: 0,10 Fe: 0,07

Mechanical Properties: (typical)

0,2%Elongation (Rp0,2)	120 N/mm ²
Tensile Strength (Rm)	350 N/mm ²
Elongation (A)(Lo=5do)	40%
Impact energy (Av)	60 J
HB	80 Brinell

Approvals:

on demand

Shielding Atmosphere:

TIG-rods	(EN439) I 1
MIG/MAG-wire	(EN439) I 1 copper
	(EN439) M13 steel

Typical Base Mat.:

a.m.

Packaging:

MIG/MAG: spools D 100 / D 200 / K 200 / K 300
 TIG: 10-kg-boxes