

SG 1

mild Steel MAG-Wire TIG-Rod

Specifications:

Alloy no.	1.5112
EN 440 :	G2Si1(mod.)
AWS/SFA 5.18:	ER 70S-4

Application:

Solid wire and TIG-rods for welding unalloyed and low alloy steels with shielding gas, especially for electrolytically and hot-dip galvanized thin sheets.

Chemical Composition

Element by weight (%):

C: 0,03-0,12 Si: 0,40-0,60 Mn: 1,00-1,30

Mechanical Properties

(typical):

Yield strength (Re)	480 N/mm ²
Tensile strength (Rm)	530 N/mm ²
Elongation (A)(Lo=5do)	29 %
Impact energy (Av)	140 J

Approvals :

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Shielding Atmosphere:

TIG-rod	I 1
MAG-wire	M 2, C

Typical Base Mat.:

St 33 - St 52.3
StE255 - StE 355
HI - HII
DC01+ZE DC04+ZE S220GD+Z
S350GD+Z

Packaging:

MIG/MAG: spools D100 / D200 / K 200 / K 300
TIG: 25-kg-boxes