

1.4842

Stainless Steel MIG/MAG-Wire TIG – Rods

Specifications:

ISO 14343-A : G/W 25 20
ISO 14343-B : SS310
Werkstoff Nr. ~1.4842
AWS-Bezeichnung: ER 310

Application:

CrNi-wire/rod for joining and surfacing equivalent/
comparable heat resisting steels/steel casts.
Suitable for ductile filling layers under top layers of
1.4773 and 1.4820. Scale resistant in air and oxydising
combustion gases up to 1200° C.

**Chemical Composition
Element by weight (%):**

C: 0,15 Si: 0,5 Mn: 1,80 Cr : 25,5 Ni: 20,5

**Mechanical Properties:
(typical)**

Yield Strength (Re)	390 N/mm ²
Tensile Strength (Rm)	620 N/mm ²
Elongation (A)(Lo=5do)	30%
Impact energy (Av)	75 J

Approvals:

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Shielding Atmosphere:

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

Typical Base Mat.:

1.4832	1.4837	1.4840	1.4841	1.4845
1.4846	1.4713	1.4742	1.4762	

Packaging:

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