

DT-1.4551

Stainless Steel MIG/MAG-Wire TIG - Rods

Specifications

ISO 14343-A : G/W 19 9 Nb Si
 ISO 14343-B : SS347Si
 ASTM/AWS/SFA-5.9: ER 347 Si

Application

Stabilised CrNiNb-wire/rod for joining and surfacing corrosion resistant steels/cast steels for service temperatures from -110°C up to + 400°C.

Chemical Composition Element by weight (%)

C: 0,06 Si: 0,85 Mn: 1,30 Cr: 19,50 Ni: 9,50
 Nb: 12xC

Mechanical Properties (typical)

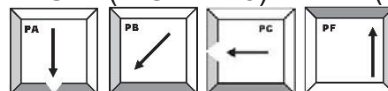
Yield Strength (Re) 490 N/mm²
 Tensile Strength (Rm) 680 N/mm²
 Elongation (A)(Lo=5do) 32%
 Impact energy (Av) 80 J
 High temp. 400°C
 Low temp. -110°C

Approvals

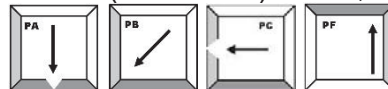
TÜV, DB, CE-Zeichen

Shielding gas/Polarity

WIG: (ISO 14175) I1 (=)



MSG: (ISO 14175) M12,M13 (=+)



Typical Base Material

1.4301 1.4306 1.4541 1.4310 1.3212
 1.4550 1.4552 1.4319 1.4303
 TÜV Kennblatt 1000: Group 29
 ISO 20172: Gruppe 8.1 (except Mo)

Packaging

MIG/MAG: spools D 100 / D 200 / K 200 / K 300 / C 300
 TIG: 5-kg-boxes