

TECHNICAL SHEET

110 SG



Product name

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Class of product

Nickel - Chromium – Molybdenum alloyed wire for MIG / TIG welding

Corresponding standards

EN12534 Mn3Ni1CrMo

AWS 5.28 ER110S-G

Composition (weight %)

C: 0,08 – 0,11

Si: 0,50 – 0,70

Mn: 1,60 – 1,80

P: < 0,015

S: < 0,018

Cr: 0,30 – 0,40

Mo: 0,24 – 0,30

Ni: 1,40 – 1,60

Cu: < 0,30

Al: < 0,12

V: 0,08 – 0,13

Ti: < 0,10

Typical Mechanical Properties

Yield Strength: R_e : ≥ 690 N/mm²

Tensile Strength R_m : ≥ 770 N/mm²

Elongation: A (5d): $\geq 17\%$

Impact Strength: KV (-40°C): ≥ 47 J

Range of application:

For fine-grained and NiCrMo steels. High yield also at low temperatures.

Vessels, oil and chemical industries, cranes, bridges, earth-moving machinery, tanks, etc.

The above data are subject to change without notice by Sping.

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