

TECHNICAL SHEET

90 SG



Product name

90 SG

Class of product

Nickel – Molybdenum alloyed wire for MIG / TIG welding

Corresponding standards

EN12534 Mn3Ni1Mo

AWS 5.28 ER90S-G

Composition (weight %)

C: 0,08

Si: 0,60

Mn: 1,80

Mo: 0,30

Ni: 0,9

Typical Mechanical Properties

Yield Strength: R_e : ≥ 550 N/mm²

Tensile Strength R_m : 650 - 800 N/mm²

Elongation: A (5d): $\geq 20\%$

Impact Strength: KV (-40 °C): ≥ 90 J

Range of application:

Wire for high strength quenched and fine-grained construction steels.

Excellent ductility and crack resistance. Good cryogenic impact energy.

Suitable for boilers, pressure vessels, pipeline, crane construction, structural engineering.

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

SPRING WELDING ALLOYS

Hangzhou City, Zhejiang, China

Phone – 0086-13588821060

info@springwelding.com - www.springwelding.com