

CLASSIFICATIONS

EN ISO 14343-A : W 22 9 3 N L

AWS A5.9 : ER 2209

DESCRIPTION

- WI SG 2209 is duplex stainless steel TIG Welding rod contains low Carbon and approximate %22Cr, %9Ni and %3Mo
- Microstructure is Austenite + Ferritic
- The weld metal has an excellent resistance to stress corrosion, cracking and pitting
- The use of this welding rod, pipe and general manufacturing industries, offshore applications, oil, gas, chemical and petrochemical industry
- Shielding gas: TIG; pure Ar or Ar+%1-2N₂ mix gases can be used

CHEMICAL ANALYSIS OF WELD METAL % (TYPICAL)

C: 0.02 | Si: 0.40 | Mn: 1.70 | Cr: 22.80 | Ni: 7.80 | Mo: 2.90 | N: 0.15

MECHANICAL PROPERTIES

Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (L ₀ =5d ₀) (%)	Impact Strength (ISO-V/+20°C)
550	700	28	100 J

BASE MATERIALS

- SAE 2209, SAE 2205, EN14462, X2CrNiMoN22-5-3, X2CrNiN23-4, X2CrNiMoN22-5-3 with X10CrNiMoNb18- 12 and X2CrNiMoN22-5-3 with P235GH/ P265GH, S255N, P295GH, S355N and 16Mo3 combinations, UNS S31803, S32205.

WELDING POSITIONS



CURRENT CONDITION

MIG D.C. (+) / TIG D.C. (-)

OPERATING DATA

Product Code	Diameter x Length (mm) / (inch)		Weight (Kg)	Package Type
1011100075	1,2	0.047"	15	BS 300
1011100076	2.00 x 1000	5/64 x 39"	5	Plastic Box
1011100077	2.40 x 1000	3/32 x 39"	5	Plastic Box