CEWELD 2209 Duplex Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid drawn wire rod for welding Duplex stainless steels.(Type 2209, 1.4462)

APPLICATIONS

CEWELD® 2209 Duplex Tig is used for pipe welding and in general fabrication in the offshore oil and gas industry and in the chemical process industry. It is also suitable for cladding steels to obtain corrosion-resistant layers.

PROPERTIES

CEWELD® 2209 Duplex Tig exhibits corrosion resistance similar to that of grade 904L in most applications. In addition to high strength and toughness properties, CEWELD® 2209 Duplex Tig also exhibits excellent resistance to stress corrosion cracking and pitting (PREN > 35). The operating temperature range is from –40 °C to +250 °C. Ferrite content 30-60 FN (WRC)

CLASSIFICATION

AWS	A 5.9: ER2209
EN ISO	14343-A: W 22 9 3 N L
W.Nr.	1.4462
F-nr	6
FM	5

SUITABLE FOR

ISO 15608: 10.1-10.2 Austenitic > 24 % Cr ≤ 4% Ni, DUPLEX 2209, 22%Cr 9%Ni 3%Mo
1.4162, 1.4362, 1.4417, 1.4460, 1.4462, 1.4463, 1.4583
X 2 CrNiMoSi 19 5, X 2 CrNiN 23 4, X 2 CrNiMoN 22 5 3, X10CrNiMoNb18-12, X2CrMnNiN21-5-1
316LN, 318LN
UNS S31803, S32205, S32304
SAF 2205 Fafer 4462, NKCr22, SM22Cr, Falc 223 UR 45N & UR 45N+, 2101, 2205, UR 35 N SAF 2304
mix 1.4462 X2CrNiMoN22-5-3 mit P235GH/ P265GH, S255N, P295GH, S355N, 16Mo3

APPROVALS

TÜV: (12396), CE

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu
0.02	0.5	1.6	0.01	0.01	23	9	3	0.15	0.1

MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				RT	-60°C	
As Welded	725	810	30	140	85	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

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	Packaging	KG/unit	EanCode
2209 DUPLEX TIG 1,0 X 1000MM	Tube	5	8720663414540
2209 DUPLEX TIG 1,2 X 1000MM	Tube	5	8720663414557
2209 DUPLEX TIG 1,6 X 1000MM	Tube	5	8720663414564
2209 DUPLEX TIG 2,0 X 1000MM	Tube	5	8720663414571
2209 DUPLEX TIG 2,4 X 1000MM	Tube	5	8720663414588
2209 DUPLEX TIG 3,2 X 1000MM	Tube	5	8720663414595
2209 DUPLEX TIG 4,0 X 1000MM	Tube	5	8720663414618