



MIG NI625

Classification

AWS A5.14 : ERNiCrMo-3
 ISO 18274 : S-Ni 6625 (NiCr22Mo9Nb)

Material N° : 2.4831

Description & Applications

Solid wire for GMAW of high nickel alloys as well as for special austenitic stainless steels. Used in the construction of equipment submitted to oxidizing and corrosive attacks. Excellent resistance to pitting, crevice and stress corrosion cracking in the presence of chlorides. Highly resistant at low temperatures, therefore also applied to weld 9% Ni steels.

Typical Chemical Composition (%)

C	Si	Mn	Cr	Mo	Fe	Nb	P	S	Ni
0.01	0.15	0.1	22.0	8.7	0.3	3.6	<0.01	<0.01	Rem.

All Weld Metal Mechanical Properties

R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)	KV (J)	
450	760	40	+20°C	140
			-196°C	70

Welding Current & Instructions

Welding mode	Wire Ø (mm)	Welding parameters		Shielding Gas
		Pulsed arc (A)	(V)	
MIG = +	0.8	80-140	23-27	Ar Ar + He Ar/He + 0.05% CO ₂ 18-20 l/min
	1.0	90-160	24-28	
	1.2	160-200	24-28	
	1.6	180-260	24-28	

ind.10



Liability: This document is intended to assist the user in choosing the product. It is up to the user to verify that the chosen product is suitable for applications for which it is intended. The company FSH Welding Group reserves the right to alter specifications without prior notice of its products. The descriptions, illustrations and specifications are for reference only and cannot be held liable for FSH Welding Group. **Fumes:** Consult information on MSDS, available upon request.