




CEWELD NiCro 52 Tig

TYPE	Solid nickel base welding wire for Tungsten Inert Gas (Tig) welding.								
APPLICATIONS	CEWELD Nicro 52 filler metal is used for welding nickel-chromium-iron (Inconel 690) alloys to themselves, and for dissimilar welding between nickel-chromium-iron alloys and steels or stainless steels. The applications include surfacing as well as clad-side welding. Interpass temperature of 150°C should be respected,								
PROPERTIES	Excellent resistance against oxidizing media combined with high mechanical strength at room temperature but also at extreme high temperatures combined with high ductility due to the high chromium content. Alloy 690 was developed to offer greater resistance to stress corrosion in the nuclear industry, pure water environment..								
CLASSIFICATION	AWS	A 5.14: ERNiCrFe-7							
	EN ISO	18274: S Ni 6052(NiCr30Fe9)							
	F-nr	43							
	FM	6							
	W.Nr.	2.4642							
SUITABLE FOR	Inconel 690, VDM Alloy 690, Nicrofer 6030 N, FM 52, 2.4642, NiCr29Fe								
APPROVALS	No Approvals Found								
WELDING POSITIONS									
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Ni	Mo	Ti	Fe	Al
	0.02	0.4	0.8	30	60	0.2	0.5	10	0.3
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} MPa	R _m MPa	A ₅ (%)		Hardness Brinell Hardness			
	As Welded / 580°C±15°C /1h	770 260	870 580	16 30		Avg. 200			
REDRYING TEMPERATURE	Not required								
GAS ACCORDING EN 14175	I1								



CEWELD NiCro 52 Tig

NICRO 52 TIG 1,6 X 914MM

Type	KG/unit	EANCode
Tube	4,54	8720663418241

NICRO 52 TIG 2,4 X 1000MM

Type	KG/unit	EANCode
Tube	4,54	8720663418265