



CEWELD AL 4Ni0,2Ti Tig

TYPE	Special aluminium alloy for TIG welding with high Nickel content..																		
APPLICATIONS	Filler metal for welding Aluminium alloys with maximum 4% Nickel. This Nickel alloyed Aluminium filler metal is originatly developed for welding power conductors that require higher strength.																		
PROPERTIES	Excellent weldabillity and improved mechanical strength due to its high Nickel content. The weld deposit is free from porosity due to the special shaving process and cleaning method during production. Thicker sections should be preheated (150°C) prior to welding.																		
CLASSIFICATION																			
SUITABLE FOR	Filler metal for welding Aluminium alloys with maximum 4% Nickel																		
APPROVALS	CE																		
WELDING POSITIONS																			
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table><tr><td>Be</td><td>Mn</td><td>Si</td><td>Ni</td><td>Fe</td><td>Cu</td><td>Al</td><td>Zn</td><td>Ti</td></tr><tr><td>0.0001</td><td>0.01</td><td>0.1</td><td>4</td><td>0.1</td><td>0.01</td><td>96</td><td>0.01</td><td>0.15</td></tr></table>	Be	Mn	Si	Ni	Fe	Cu	Al	Zn	Ti	0.0001	0.01	0.1	4	0.1	0.01	96	0.01	0.15
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MECHANICAL PROPERTIES	<table><tr><td>Heat Treatment</td><td>R_{P0,2} (MPa)</td><td>R_m (MPa)</td><td>A₅ (%)</td><td>Hardness</td></tr><tr><td>As Welded</td><td>20</td><td>65</td><td>35</td><td>HRc</td></tr></table>	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness	As Welded	20	65	35	HRc								
Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness															
As Welded	20	65	35	HRc															
REDRYING	Not required																		
GAS ACC. EN ISO 14175	I1																		



CEWELD AL 4Ni0,2Ti Tig

AL 4Ni0,2Ti Tig 2,0 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663424525

AL 4Ni0,2Ti Tig 2,4 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663408006

AL 4Ni0,2Ti Tig 3,2 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663424549