



CEWELD Al 99,0 Tig

TYPE	99,0 % pure aluminum filler metal for Tig welding				
APPLICATIONS	Aluminum wire for welding mostly pure aluminum (maximum 0,95% of alloyed elements). Applications in chemistry, electronics, construction and food industries.				
PROPERTIES	This 99,0% pure aluminum filler metal offers excellent weldability and is the strongest in the 1000 series of the pure aluminium grades. Heavy parts and thicker plates should be preheated (150°C), prior to welding. At the same time, it keeps the benefits of being relatively lightly alloyed (compared to other series), such as high electrical conductivity, thermal conductivity, corrosion resistance, and workability. It can be strengthened by cold working, but not by heat treatment.				
CLASSIFICATION	AWS	A 5.10: ER1100			
	EN ISO	18273: S Al 1100 (Al99,0Cu)			
	F-nr	21			
SUITABLE FOR	Al99,0 Al.99,5 Al.99,7 E-Al., 99,5, 3.0205, 3.0255, 3.0275, 3.0257, EN AW 1200, EN AW 1050A, EN AW 1070A, EN AW 1350, 1060, 1070, 1080, and 3003.				
APPROVALS	CE				
WELDING POSITIONS					
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	Mn	Cu	Al	Si+Fe	
	0.03	0.1	99.5	0.75	
MECHANICAL PROPERTIES	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness
	As Welded	52	93	30	HRc
REDRYING	Not required				
GAS ACC. EN ISO 14175	I1, I3				