




# CEWELD Al 99,5 Ti Tig

TYPE	Pure aluminum filler metal for Tig welding						
APPLICATIONS	Aluminium wire for welding mostly pure aluminium (maximum 0,5% of alloyed elements). Applications in chemistry, electronics, construction and food industries.						
PROPERTIES	This pure aluminum filler metal offers excellent weldability when properly cleaned prior to welding. Heavy parts and thicker plates should be preheated (150°C), prior to welding						
CLASSIFICATION	AWS	A 5.10: ER1450					
	EN ISO	18273: S Al 1450 (Al99,5Ti)					
	F-nr	21					
SUITABLE FOR	Cast aluminium special repairs, Al99,0 Al.99,5 Al.99,7 E-Al						
APPROVALS	CE						
WELDING POSITIONS							
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	Si	Mn	Ti	Fe	Cu	Zn	Al
	0.2	0.02	0.15	0.2	0.02	0.03	99.6
MECHANICAL PROPERTIES	Heat Treatment		R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A5 (%)	Hardness	
	As Welded		30	80	40	HRc	
REDRYING	Not required						
GAS ACC. EN ISO 14175	I1, I3						