



CEWELD Al 99,0 Tig

TYPE	99,0 % pure aluminum filler metal for Tig welding			
TOEPASSINGEN	Aluminum wire for welding mostly pure aluminum (maximum 0,95% of alloyed elements). Applications in chemistry, electronics, construction and food industries.			
EIGENSCHAPPEN	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.			
CLASSIFICATIE	AWS EN ISO F-nr	A 5.10: ER1100 18273: S Al 1100 (Al99,0Cu) 21		
GESCHIKT VOOR	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.			
GOEDKEURINGEN	CE			
LASPOSITIES	      			
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	Mn 0.03	Cu 0.1	Al 99.5	Si+Fe 0.75
MECHANISCHE WAARDEN	Heat Treatment As Welded	R _{P0,2} (MPa) 52	R _m (MPa) 93	A5 (%) 30 Hardness HRc
HERDROGEN	Not required			
GAS ACC. EN ISO 14175	I1, I3			