



CEWELD Al 99,0 Tig

TYPE	99,0 % pure aluminum filler metal for Tig welding			
ANWENDUNGEN	Aluminum wire for welding mostly pure aluminum (maximum 0,95% of alloyed elements). Applications in chemistry, electronics, construction and food industries.			
EIGENSCHAFTEN	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.			
KLASSIFIKATION	AWS EN ISO F-nr	A 5.10: ER1100 18273: S Al 1100 (Al99,0Cu) 21		
GEEIGNET FÜR	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.			
ZULASSUNGEN	CE			
SCHWEISSPOSITIONEN				
TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%)	Mn 0.03	Cu 0.1	Al 99.5	Si+Fe 0.75
MECHANISCHE GÜTEWERTE	Heat Treatment As Welded	R _{P0,2} (MPa) 52	R _m (MPa) 93	A5 (%) 30 Hardness HRc
RÜCKTROCKNUNG	Not required			
GAS ACC. EN ISO 14175	I1, I3			