



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	A 5.10: ER1100
EN ISO	18273: S Al 1100 (Al99,0Cu)
F-nr	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

						
PA	PB	PC	PD	PE	PF	PG

TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%)	Mn	Cu	Al	Si+Fe
	0.03	0.1	99.5	0.75

MECHANISCHE GÜTEWERTE	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness
	As Welded	52	93	30	HRc

RÜCKTROCKNUNG Not required

GAS ACC. EN ISO 14175 I1, I3