



CEWELD Al 99,0

TYPE 99,0% pure aluminum filler metal for Mig 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 A 5.10: ER1100
EN ISO 18273: S Al 1100 (Al99,0Cu)
F-nr 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	Cu	Al	Si+Fe
0.03	0.1	99.4	0.5

MECHANISCHE WAARDEN

Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded	52	93	30	HRc

HERDROGEN Not required

GAS ACC. EN ISO 14175 I1, I3