








CEWELD Al99,0

TYPE	99,0% pure aluminum filler metal for Mig welding				
APPLICATIONS	Aluminum wire for welding mostly pure aluminum (maximum 0,95% of alloyed elements). Applications in chemistry, electronics, construction and food industries.				
PROPERTIES	This 99,0% pure aluminum filler metal offers excelent 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.				
CLASSIFICATION	AWS EN ISO F-nr	A 5.10: ER1100 18273: S Al 1100 (Al99,0Cu) 21			
SUITABLE FOR	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.				
APPROVALS	CE				
WELDING POSITIONS	      				
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	Mn 0.03	Cu 0.1	Al 99.4	Si+Fe 0.5	
ALL WELD MECHANICAL PROPERTIES	Heat Treatment As Welded /	R _{P0,2} MPa 52	R _m MPa 93	A5 (%) 30	
REDRYING TEMPERATURE	Not required				
GAS ACCORDING EN 14175	I1, I3				