


CEWELD Al 99,5

TYPE	Pure aluminum filler metal for Mig welding														
ANWENDUNGEN	Aluminium wire for welding mostly pure aluminium (maximum 0,5% of alloyed elements). Applications in chemistry, electronics, construction and food industries.														
EIGENSCHAFTEN	This pure aluminum filler metal offers excellent weldability when properly cleaned prior to welding. Heavy parts and thicker plates should be preheated (150°C), prior to welding.														
KLASSIFIKATION	AWS A 5.10: ER1100 EN ISO 18273: S Al 1070 (Al99,7) W.Nr. 3.0259 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														
ZULASSUNGEN	CE														
SCHWEISSPOSITIONEN															
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1"><thead><tr><th>Si</th><th>Mn</th><th>Ti</th><th>Fe</th><th>Cu</th><th>Zn</th><th>Al</th></tr></thead><tbody><tr><td>0.18</td><td>0.02</td><td>0.01</td><td>0.1</td><td>0.01</td><td>0.01</td><td>99.5</td></tr></tbody></table>	Si	Mn	Ti	Fe	Cu	Zn	Al	0.18	0.02	0.01	0.1	0.01	0.01	99.5
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MECHANISCHE GÜTEWERTE	<table border="1"><thead><tr><th>Heat Treatment</th><th>R_{P0,2} (MPa)</th><th>R_m (MPa)</th><th>A₅ (%)</th><th>Hardness</th></tr></thead><tbody><tr><td>As Welded</td><td>40</td><td>70</td><td>30</td><td>HRc</td></tr></tbody></table>	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness	As Welded	40	70	30	HRc				
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As Welded	40	70	30	HRc											
RÜCKTROCKNUNG	Not required														
GAS ACC. EN ISO 14175	I1, I3														