



CEWELD Al 99,5 Ti

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	<table border="0"> <tr> <td>AWS</td> <td>A 5.10: ER1450</td> </tr> <tr> <td>EN ISO</td> <td>18273: S Al 1450 (Al99,5Ti)</td> </tr> <tr> <td>W.Nr.</td> <td>3.0805</td> </tr> <tr> <td>F-nr</td> <td>21</td> </tr> </table>	AWS	A 5.10: ER1450	EN ISO	18273: S Al 1450 (Al99,5Ti)	W.Nr.	3.0805	F-nr	21		
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EN ISO	18273: S Al 1450 (Al99,5Ti)										
W.Nr.	3.0805										
F-nr	21										
GEEIGNET FÜR	Cast aluminium special repairs, Pure aluminium Al99,0 Al.99,5 Al.99,7 E-Al. 3.0255, 3.0205										
ZULASSUNGEN	CE										
SCHWEISSPOSITIONEN											
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20%;">Si</td> <td style="width: 20%;">Mn</td> <td style="width: 20%;">Ti</td> <td style="width: 20%;">Fe</td> <td style="width: 20%;">Al</td> </tr> <tr> <td>0.2</td> <td>0.01</td> <td>0.15</td> <td>0.2</td> <td>99.6</td> </tr> </table>	Si	Mn	Ti	Fe	Al	0.2	0.01	0.15	0.2	99.6
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MECHANISCHE GÜTEWERTE	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 30%;">Heat Treatment</td> <td style="width: 15%;">R_{P0,2} (MPa)</td> <td style="width: 15%;">R_m (MPa)</td> <td style="width: 10%;">A₅ (%)</td> <td style="width: 30%;">Hardness</td> </tr> <tr> <td>As Welded</td> <td>30</td> <td>80</td> <td>40</td> <td>HRc</td> </tr> </table>	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness	As Welded	30	80	40	HRc
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RÜCKTROCKNUNG	Not required										
GAS ACC. EN ISO 14175	11, 13										