


CEWELD ER 90S (P24) Tig

TYPE	Tig welding wire for creep resistant P/T 24 type of steels.																									
ANWENDUNGEN	The alloy finds use for waterwalls in ultra-super-critical (USC) boilers in the power generating industry.																									
EIGENSCHAFTEN	TIG/GTAW rod for T24 creep resistant steel. The T24 alloy is a modified 2.25%Cr1%Mo alloy with additions of Nb and V to improve high temperature creep performance. Interpass temperature: max. 300°C																									
KLASSIFIKATION	AWS	A 5.28: ER 90S-G																								
	EN ISO	21952-A: W ZCrMo2VNb																								
	F-nr	6																								
	FM	3																								
GEEIGNET FÜR	alloy 24, 2.5%Cr1%Mo modified, creep resisting ferritic steels. X7CrMoVTiB 10-10 1.7378 / 7CrWVMoNb9-6 - 1.8201 ASTM: A/SA 335 Grade P24 - A/SA 213 Grade T24 A/SA 335 Grade P23 - A/SA 213 Grade T23																									
ZULASSUNGEN	CE																									
SCHWEISSPOSITIONEN																										
TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Cr</th> <th>Mo</th> <th>V</th> <th>Nb</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>0.25</td> <td>0.9</td> <td>0.01</td> <td>0.01</td> <td>2.3</td> <td>1</td> <td>0.3</td> <td>0.02</td> </tr> </tbody> </table>								C	Si	Mn	P	S	Cr	Mo	V	Nb	0.1	0.25	0.9	0.01	0.01	2.3	1	0.3	0.02
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MECHANISCHE GÜTEWERTE	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th rowspan="2">R_{P0,2} (MPa)</th> <th rowspan="2">R_m (MPa)</th> <th rowspan="2">A₅ (%)</th> <th colspan="2">Impact Energy (J) ISO-V</th> <th rowspan="2">Hardness</th> </tr> <tr> <th colspan="2">RT</th> </tr> </thead> <tbody> <tr> <td>730°C- 760°C 1h</td> <td>650</td> <td>750</td> <td>20</td> <td colspan="2">50</td> <td>HRc</td> </tr> </tbody> </table>								Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness	RT		730°C- 760°C 1h	650	750	20	50		HRc		
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RÜCKTROCKNUNG	Not required																									
GAS ACC. EN ISO 14175	11																									

CEWELD ER 90S (P24) Tig

ER 90S (P24) TIG 2,4 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720682051702