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 (%)

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

MECHANISCHE GÜTEWERTE

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V	Hardness
				RT	
730°C- 760°C 1h	650	750	20	50	HRc

RÜCKTROCKNUNG

Not required

GAS ACC. EN ISO 14175

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