TG-S12CRS TRUSTARC™

TIG wire and rod for 9~12%Cr-W-V-Nb steel

Features:
- Applied for ASTM A335 Gr. P92 and equivalents
- Excellent creep rupture strength

Classification: AWS A5.28 ER90S-G

Shielding Gas: Ar
Polarity: DCEN

Packaging data

	Spool	Tube		
ϕ mm	**kg**	**kg**	**Length mm**	**g/piece**
1.0	10	-	-	-
2.0	-	5	1,000	25
2.4	-	5	1,000	35
Volume mm	240W, 110H, 230L	40W, 35H, 1015L		

Composition (wire mass%)

	Typical	Guaranty [a]
C	0.07	0.12
Si	0.36	0.10~0.50
Mn	0.74	0.20~1.00
P	0.004	0.020
S	0.003	0.010
Ni	0.51	0.30~0.80
Cr	9.92	9.50~11.50
Mo	0.35	0.20~0.55
Cu	0.01	0.40
Nb	0.04	0.01~0.08
V	0.21	0.10~0.35
W	1.45	1.00~2.00
Co	1.01	0.80~1.20
N	0.04	0.02~0.07

Note: [a] Single values are maximum.

All-weld mechanical properties

	Typical	Guaranty
0.2%YS (MPa)	670	531min.
TS (MPa)	790	621min.
El on 4d (%)	23	17min.
IV 0℃ (J)	40	-
PWHT (℃xh)	740x8	750±15