TG-S90B91 TRUSTARC™

TIG wire and rod for 9%Cr-1%Mo-V-Nb steel

Features:
- Applied for ASTM A387 Gr.91 and equivalents
- Excellent creep rupture strength

Classification: AWS A5.28 ER90S-B91

Shielding Gas: Ar
Identification color: 1st Purple Blue
Polarity: DCEN

Packaging data

	Spool	Tube		
ϕ mm	**kg**	**kg**	**Length mm**	**g/piece**
1.0	10	-	-	-
1.2	10	-	-	-
1.6	10	5	1,000	16
2.0	-	5	1,000	25
2.4	-	5	1,000	35
3.2	-	5	1,000	63
Volume mm	240W, 110H, 230L	40W, 35H, 1015L		

Composition (wire mass%)

	Typical	Guaranty [a]
C	0.10	0.07~0.13
Si	0.29	0.15~0.50
Mn	0.72	1.20
P	0.004	0.010
S	0.005	0.010
Cu	0.01	0.20
Cr	8.36	8.00~10.50
Mo	0.97	0.85~1.20
Ni	0.15	0.80
Co	0.41	-
V	0.18	0.15~0.30
Al	<0.01	0.04
Nb	0.06	0.02~0.10
N	0.04	0.03~0.07
Mn+Ni	0.87	1.50

Note: [a] Single values are maximum.

All-weld mechanical properties

	Typical	Guaranty
0.2%YS (MPa)	620	414min.
TS (MPa)	750	621min.
El on 4d (%)	25	16min.
IV 0℃ (J)	150	-
PWHT (℃xh)	760x2	760±15x2