TG-S9Cb 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-B91C

Shielding Gas: Ar
Identification color: 1st Grey
Polarity: DCEN

Packaging data

	Spool		Tube		
ϕ mm	**kg**		**kg**	**Length mm**	**g/piece**
0.8	5	10	-	-	-
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	0.07	0.12
Si	0.16	0.50
Mn	1.00	0.50~1.20
P	0.006	0.020
S	0.004	0.010
Ni	0.67	0.10~0.80
Cr	8.98	8.00~10.00
Mo	0.88	0.85~1.20
Nb	0.04	0.02~0.12
V	0.18	0.10~0.35
Cu	0.03	0.35
N	0.02	0.01~0.05

Note: [a] Single values are maximum.

All-weld mechanical properties

	Typical	Guaranty
0.2%YS (MPa)	700	414min.
TS (MPa)	780	621min.
El on 4d (%)	24	16min.
IV 0℃ (J)	240	-
PWHT (℃xh)	740x8	745±15x1

Approvals

ABS	MG
LR	MG
NK	MG