TG-S2CW TRUSTARC™

TIG wire and rod for low C-2.25%Cr-W-V-Nb steel

Features: ▪ Applied for ASTM A335 Gr. P23 and equivalents

Classification: AWS A5.28 ER80S-G

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

Packaging data

	Spool	Tube		
ϕ mm	**kg**	**kg**	**Length mm**	**g/piece**
0.8	10	-	-	-
1.0	10	-	-	-
1.2	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	0.05	0.12
Si	0.42	0.10~0.60
Mn	0.46	0.20~1.00
P	0.006	0.020
S	0.008	0.010
Cr	2.30	2.00~2.60
Mo	0.47	0.40~0.65
Cu	0.17	0.40
Nb	0.03	0.01~0.08
V	0.32	0.15~0.40
W	1.19	1.00~2.00
Al	<0.01	0.03

Note: [a] Single values are maximum.

All-weld mechanical properties

	Typical	Guaranty
0.2%YS (MPa)	470	400min.
TS (MPa)	580	520min.
El on 4d (%)	31	17min.
IV 0℃ (J)	210	-
PWHT (℃xh)	715x2	715±15x2

Approvals

ABS	MG
LR	MG
NK	MG