TG-S1CML TRUSTARC™

TIG wire and rod for 1.25%Cr-0.5%Mo steel

Features:
- Applied for ASTM A387 Gr.11, Gr.12 and equivalents
- Lower carbon content than TG-S1CM

Classification: AWS A5.28 ER80S-G

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

Packaging data

	Spool		Tube		
ϕ mm	**kg**		**kg**	**Length mm**	**g/piece**
0.8	10	-	-	-	-
1.0	10	20	-	-	-
1.2	10	20	-	-	-
1.6	-	-	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	280W, 110H, 270L	40W, 35H, 1015L		

Composition (wire mass%)

	Typical	Guaranty [a]
C	0.03	0.05
Si	0.47	0.20~0.70
Mn	1.07	0.80~1.30
P	0.004	0.025
S	0.010	0.025
Ni	0.02	0.20
Cr	1.40	1.00~1.50
Mo	0.51	0.40~0.65
Cu	0.12	0.35

Note: [a] Single values are maximum.

All-weld mechanical properties

	Typical	Guaranty
0.2%YS (MPa)	480	469min.
TS (MPa)	580	552min.
El on 4d (%)	31	19min.
IV 0℃ (J)	300	-
PWHT (℃x h)	620x1	AW