TG-S51T FAMILIARC™

TIG welding rod and wire

Features: ▪ Its tensile strength after long time PWHT is high enough for 490MPa

Classification: AWS A5.18 ER70S-6

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

Packaging data

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

Composition (wire mass%)

	Typical	Guaranty [a]
C	0.10	0.06~0.15
Si	0.86	0.80~1.15
Mn	1.56	1.40~1.85
P	0.012	0.025
S	0.012	0.035
Ni	0.01	0.15
Cr	0.02	0.15
Mo	<0.01	0.15
Cu	0.24	0.50
V	<0.01	0.03
Al	<0.01	-
Ti	<0.01	-
Zr	<0.01	-

Note: [a] Single values are maximum.

All-weld mechanical properties

	Typical		Guaranty
0.2%YS (MPa)	510	420	400min.
TS (MPa)	610	550	483min.
El on 4d (%)	32	35	22min.
IV -29℃ (J)	210	160	27min.
PWHT (℃xh)	AW	625x24	AW

Approvals

ABS	3Y
LR	3Ym
DNV	ⅢYM