TG-S50 FAMILIARC™

TIG welding rod and wire

Features:
- Good impact value at low temperatures
- Most widely used in Japan

Classification: AWS A5.18 ER70S-G

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

Packaging data

	Spool		Tube		
ϕ mm	**kg**		**kg**	**Length mm**	**g/piece**
0.8	10	-	-	-	-
1.0	10	-	-	-	-
1.2	10	20	5	1,000	9
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	280W, 110H, 270L	40W, 35H, 1015L		

Composition (wire mass%)

	Typical	Guaranty [a]
C	0.10	0.02~0.12
Si	0.74	0.40~0.95
Mn	1.40	1.00~1.50
P	0.011	0.025
S	0.012	0.025
Cu	0.24	0.50
Al	<0.01	0.15
Ti	<0.01	0.15
Zr	<0.01	0.12

Note: [a] Single values are maximum.

All-weld mechanical properties

	Typical		Guaranty
0.2%YS (MPa)	480	380	400min.
TS (MPa)	580	500	483min.
El on 4d (%)	33	36	22min.
IV -29℃ (J)	180	230	27min.
PWHT (℃xh)	AW	625x8	AW

Approvals

ABS	3Y
LR	3Ym, H15
DNV	ⅢYM
BV	SA3YM
NK	KSW53G (I)
CCS	3, 3YSM