

Shielded Metal Arc Welding

TG-S62
FAMILIARC
TIG Welding Rods and Wires for 550-590MPa High Tensile Strength Steel
Classification: ASME / AWS A5.28 ER80S-G

Features : •Suitable for 550 to 590MPa high tensile strength steel

Shielding Gas : Ar

Polarity : DC-EN

Chemical composition of rod and wire (%) as per AWS

	C	Si	Mn	P	S	Ni	Mo	Cu
Example	0.08	0.74	1.38	0.007	0.009	0.02	0.51	0.12
Guaranty	≤ 0.10	0.30~ 0.85	1.15~ 1.65	≤ 0.020	≤ 0.020	≤ 0.60	0.25~ 0.65	≤ 0.50

Mechanical properties of all-weld metal as per AWS

	0.2%OS (MPa)	TS (MPa)	EI (%)	IV (J)	PWHT (°C _{xh})
Example	480	630	28	-20°C: 180	AW
	530	640	26	-20°C: 98	620x1
Guaranty	≥420	≥550	≥18	-20°C≥27	AW
	≥420	≥550	≥18	-20°C≥27	620±15x1

Packages

Dia. (mm)	Type	Weight (kg)	Length (mm)	Weight per piece (g)
1.6	Tube	5	1000	16
2.0	Tube	5	1000	25
2.4	Tube	5	1000	35
3.2	Tube	5	1000	63