SG CrMo 2 Si

Standards

TS EN ISO 21952-A	: G CrMo 2 Si
EN ISO 21952-A	: G CrMo 2 Si
TS EN ISO 21952-A	: W CrMo 2 Si
EN ISO 21952-A	: W CrMo 2 Si
AWS A5.28	: ER 90 S-G

Chemical Composition of Welding Wire % (Typical)

C	Si	Mn	Mo	Cr
0.08	0.6	1.0	1.0	2.4

Mechanical Properties

Yield Strength (N/mm^2)	Tensile Strength (N/mm^2)	Impact Strength (ISO-V/+20°C)	Elongation ($(L_o=5d_o)$ (%))	Heat Treatment
min. 540	620 - 760	min. 47 J	min. 20	720°C/1hour-300°C air

Typical Base Material Grades

- 10 CrMo9-10, 10 CrSiMoV 7, 10 CrV 63, G-17 CrMo 9-10, A 335 Gr. P22

Features and Applications

- Used for the welding of high heat resisting
- XCr-Mo alloyed steels which are used for the production of boilers tubes, pipes and nitrided steels
- Weld metal is resistant to temperatures up to +600°C
- Shielding gases: MAG; Ar+CO_2 and Ar+O_2 mix gases, TIG; pure Ar gas can be used

Welding Positions

Current Type

TIG D.C.(-) / MAG D.C.(+)

Operating Data

Product Code		Diameter x Length (mm) / (inch)		Weight (Kg)	Package Type
BS 300	D 300				BS/D/300
3010202401	3010202424	0.8	0.030"	15	D 200
3010202403	3010202426	1.0	0.040"	15	D 100
3010202405	3010202428	1.2	0.047"	15	ECO PACK
3010202406	3010202430	1.6 (0,6,0.9, 1.14,1.4)	0.062"	15 (1,5,15,18,50,250,400)	BIG PACK
3010300400		1.6 x 1000	1/16 x 39"	5	Carton Box
3010300507		2.0 x 1000	5/64 x 39"	5	
3010300401		2.4 x 1000	3/32 x 39"	5	
3010300402		3.2 x 1000	1/8 x 39"	5	
3010300403		4.0 x 1000	5/32 x 39"	5	

Approvals: CE, SEPRO