Standards

TS EN ISO 14341-A	: G4Si 1
TS EN ISO 636-A	: W4Si1
EN ISO 14341-A	: G4Si 1
EN ISO 636-A	: W4Si1
AWS A5.18	: ER 70 S-6

Chemical Composition of Welding Wire % (Typical)

C	Si	Mn
0.10	1.0	1.70

Mechanical Properties

Yield Strength (N/mm^2)	Tensile Strength (N/mm^2)	Impact Strength (ISO-V/-40°C)	Elongation ($(L_o=5d_o)$ (%))
min. 460	540- 680	min. 47 J	min. 22

Typical Base Material Grades

- E295,E360,S235J2G3-S355J2G3, P235T1-P355T1, P235T2,P355T2, L210NB-L415NB, L290MB-L415MB, P235G1TH, P255G1TH, P235GH-P355GH, S235JRS1-S235J4S, S315G1S-S355G3S, S255N-S420N, P255NH-P420NH, GE200-GE260

Features and Applications

- Used for the same welding purposes as SG2
- Its strength is increased by Si-Mn
- Low spatter although used under CO_2 atmosphere
- Excellent wire feeding capability
- Shielding gases: MAG; Ar+CO_2 mix gases, TIG; %100 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/D300
3010201069	3010201107	0.8	0.030”	15	D 200
3010201071	3010201109	1.0	0.040”	15	D 100
3010201073	3010201111	1.2	0.047”	15	ECO PACK
3010201074	3010201113	1.6 (0,6,0.9, 1.14,1.4)	0.062”	15 (1,5,15,18,50,250,400)	BIG PACK
3010300203		1.6 x 1000	1/16 x 39”	5	Carton Box
3010300204		2.0 x 1000	5/64 x 39”	5	
3010300205		2.4 x 1000	3/32 x 39”	5	
3010300206		3.2 x 1000	1/8 x 39”	5	
3010300207		4.0 x 1000	5/32 x 39”	5	

Approvals: SG3 [M24]: TSE, CE, DNV-GL, SEPRO