

SAF Electrodes



Excellent quality control & ISO 9001 certified manufacturing.

50 000-ton annual plant capacity. All Carbon and Graphite large diameters.

Most sizes available complete with either conical (male/female) or graphite nipple (pin) joints.

Complete test certificate, including sonic testing, for each delivered electrode.

Low consumption & competitive prices ensures low total cost.

Technical field support from Envicom: managers with >25 years of solid electrode experience.

Nominal Diameter (mm)	Body/Total Length (mm)
1 321 (52")	2500 ±100
1 272 (50")	2500 ±100
1 205	2500 ±100
1 146	2300 ±100
1 100	2300 ±100
1 060	2300 ±100
1 020	2300 ±100
960	2300 ±100
920	2300±100
900	2300 ±100
890	2300 ±100
800	2300 ±100

Excellent reference customers – supplies 69 (!) Si metal furnaces in PRC



Key Properties	(typical values)	
Grade	ENVI CARBON	ENVI GRAPHITE
Electrical Resistivity \leq ($\mu\Omega\text{ m}$)	36	15
Bulk Density \geq (g/cm^3)	1.6	1.6
Flexural Strength \geq (MPa)	6	5.2
Max current density \leq (A/cm^2)	7	9
CTE \leq ($10^{-6}/^{\circ}\text{C}$)	2.5	2.9
Ash Content \leq (%)	2.5	0.8



LG Electrodes