

Graphite Electrode & Nipples

Low Cost | High Performance | Quick Delivery



Graphite Electrodes & Nipples

Wedge Graphite Electrodes & Nipples are made of high-quality petroleum coke and needle coke raw materials with an objective to achieve high electric & thermal conductivity, mechanical strength, thermal shock resistance, machinability. Continuous development in Electric Arc Furnaces (EAF) & Ladle Technology has led to the need of Graphite Electrodes of very stringent quality.

At Wedge we offer wide range electrode grades and diameters to help maximize your furnace performance and provide measurable operational conditions without thermo-mechanical problems to ensure smooth trouble free operation.

Features & Advantages:

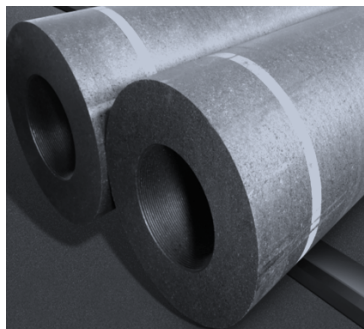
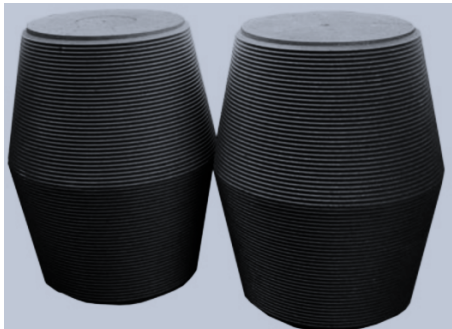
- Low electric resistance
- Excellent electric and thermal conductivity
- Very high oxidation resistance
- Improved thermal shock resistance
- Very high mechanical strength
- Highest level of machining accuracy

Application

- Electric Arc Furnace (EAF) steelmaking Ladle Furnace
- Thermoelectric furnace for the production of ferroalloy, pure silicon, yellow phosphorus, copper ice, calcium carbide, etc.
- Graphite furnace, melting glass furnace and electric furnace for producing silicon carbide.



Quality		HP		UHP	
		Electrode	Nipple	Electrode	Nipple
Electrical Resistivity, max	$\mu\Omega\cdot m$	5.4 - 7.0	4.5 - 6.0	5.5	4.5
Bending Strength, min	Mpa	10 - 15	16 - 24	10 - 15	16 - 24
Young's Modulus, max	Gpa	12 - 15	14 - 18	14	18
Ash Content(<), max	%	0.3	0.3	0.3	0.3
Bulk Density, min	g/cm^3	1.65 - 1.75	1.74 - 1.80	1.70 - 1.75	1.80 - 1.85
CTE	100-600 °C $10^{-6}/^{\circ}C$	2.4	2.2	1.5	1.4
Diameter	mm	200 - 600		350 - 700	
Length	mm	1600 - 2200		1800 - 2700	
EAF	MT	10 - 30		10 - 30	
LF	MT	20 - 50		20 - 50	





Wedge SSPL

14th Floor, 143 Tower 120
SilverOaks Towers, DLF Phase 1
Gurgaon Faridabad Road, Gurgaon - 122002
New Delhi Region, Haryana India