

About us

Mission/Value

DELDA stands for

*D*iligence & *D*ynamic

*E*thics & *E*xcellence

*L*ogistics & *L*oyalty

*D*ynamic & *D*iligence

*A*chievement & *A*dvantage



In Chinese, our company name “DELDA” is “德尔达”. “德” means “Ethics”, which is very important and highly appreciated in business, and that’s why it is placed in the first place by us. “达” stands for “Achievement”, as we are always seeking a win-win result between our clients and us.

We are diligent and dynamic.

We focus on excellence and loyalty.

We have advantage on cost, quality and package control.

Company Profile



We introduce ourselves as a manufacturer and trader specialized in the research, development and production of a series of carbon materials for steel, foundry and metal casting industries.

Our main office is located in the CBD of Tianjin, where witnesses and promotes economic prosperity and city development and has nourished a better environment for corporate venturing from home and aboard.

With convenient transportation access, it only takes a five kilometers drive from our warehouse to Tianjin/Xingang Port and we can take orders and solve problems in time.

As a result of our high quality products and outstanding customer service, we have gained a global sales network reaching America, Japan, Europe, Africa and Southeast Asia. All of our products comply with international quality standards and are greatly appreciated in a variety of different markets throughout the world.



Port of Tianjin/Xingang

Tianjin Port is the Core carrier to construct the international shipping center and logistics center in northern China.



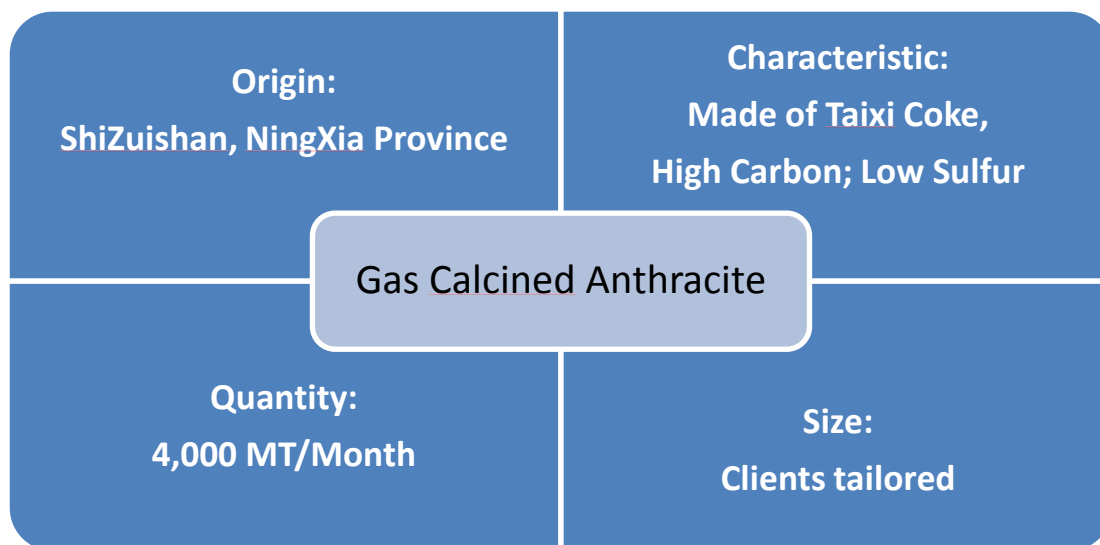
And its characteristics are as below:

- The highest grade artificial port in the world
- The largest comprehensive port in northern China
- Having broad international connection
- One of the coastal ports with the most complete functions in China
- The only port in China which has three Eurasia continental bridge passages



Products

Gas Calcined Anthracite

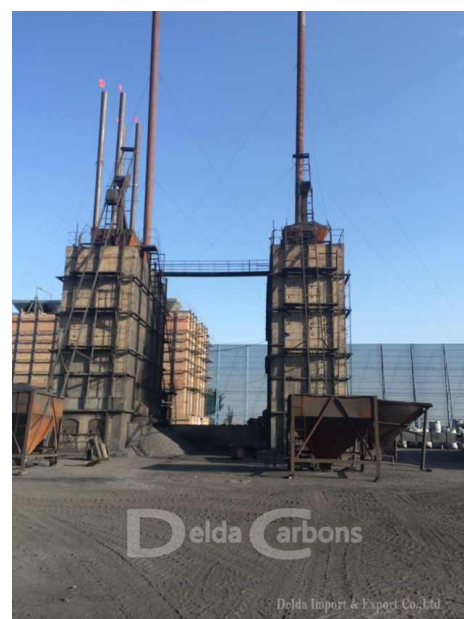


Specifications:

F.C	S	Ash	Volatile	Moisture
90% min	0.5% max	8.0% max	1.5% max	1.0% max
91% min	0.4% max	8.0% max	1.0% max	1.0% max
92% min	0.4% max	7.0% max	1.0% max	1.0% max
93% min	0.3% max	6.0% max	1.0% max	1.0% max
94% min	0.3% max	5.0% max	1.0% max	1.0% max
95% min	0.25% max	4.0% max	1.0% max	1.0% max

Calcinator

At present, our manufacturer in Ningxia Province has owned eight calcinators (vertical shaft furnaces as shown in the left picture), which guarantee our high production capacity well.





Delda Carbons

Delda Import & Export Co.,Ltd

Raw material: Taixi Coke





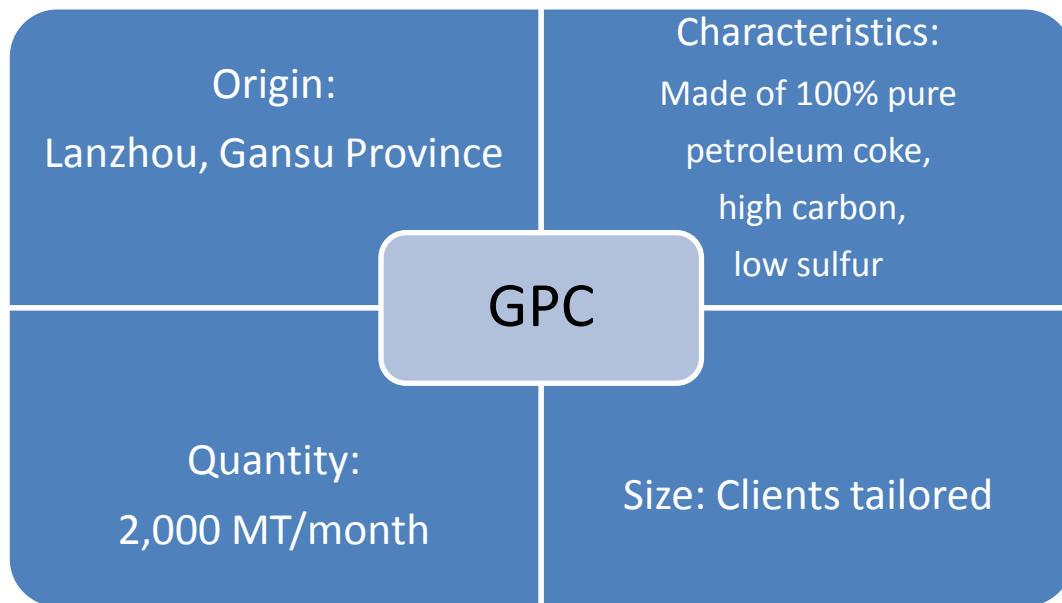
As it is known that raw material plays a vital role in determining the quality of calcined anthracite. Bearing this in mind, our manufacturer adopts “**Taixi Coke**”, which has the advantage of low sulfur and low ash, the best coke for anthracite calcination at present in China.

Process Completed products



After completing calcination in the furnace at 1200°C , as it is necessary to make such a high temperature environment for products to be devolatilized and partially graphitized. As shown in the above picture, here gas calcined anthracite is being transferred and its temperature could reach $400\text{-}500^{\circ}\text{C}$. (For Electrically Calcined Anthracite, the inside calcinatory temperature is set at 1700°C)

Graphitized Petroleum Coke (GPC)



Specifications:

F.C	S	V.M	ASH	MOISTURE
98.5% min	0.05%max	0.06%max	0.6%max	0.5%max

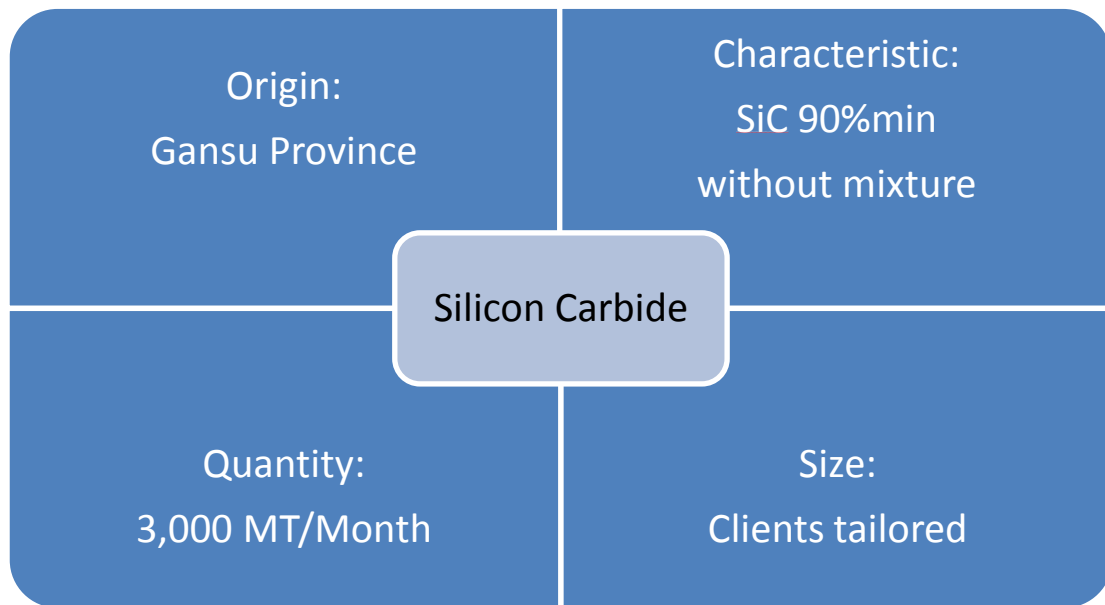
Normally, for Graphitized Petroleum Coke, fixed carbon is at 98.5%min and sulfur is under 0.05%. Specially, we could provide GPC with F.C 99%min and S 0.03%max. And the size is according to clients' requirement.

Raw Material: petroleum coke



For raw material, we adopt 100% petroleum coke without mixing with any other impurities, which enable us to produce GPC with high carbon and low sulfur.

Black Silicon Carbide



Specifications:

SiC	Sulfure	Fe	Nitrogen	Moisture
90%min	0.05%max	1.0%max	0.2%max	0.5%max

Raw SIC Lump



Production Line



SIC 90%min

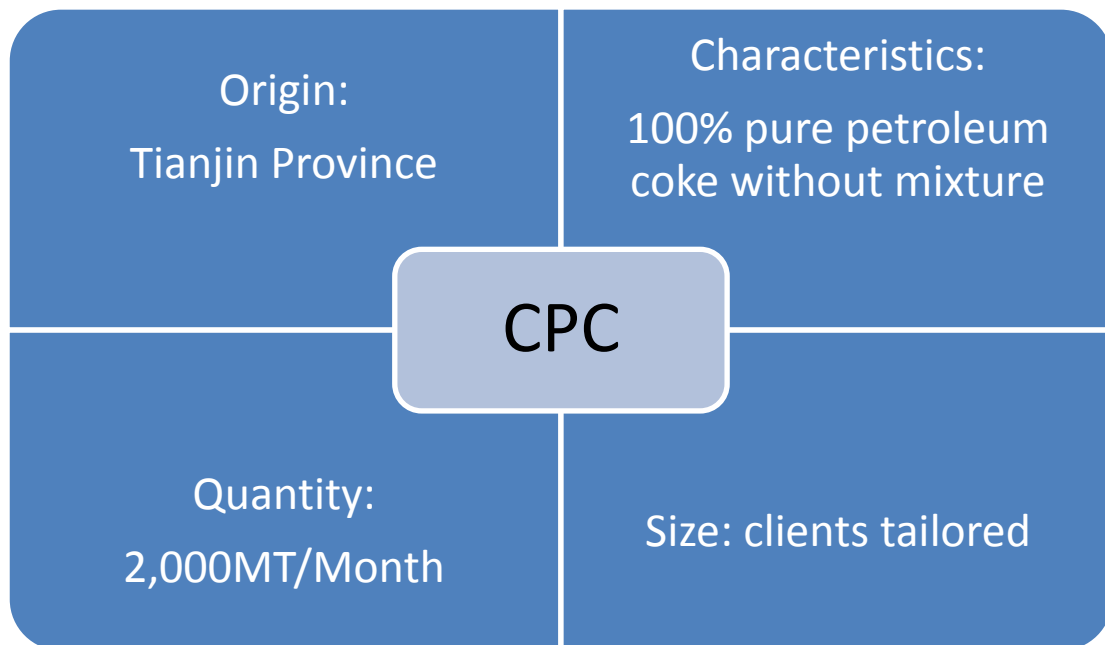


SIC 97%min



At present, we supply black silicon carbide 90-97%, and they have undergone a series of official inspections like SGS, JFE... Our high quality and competitive price have enabled our clients to keep winning their domestic markets.

Calcined Petroleum Coke (CPC)

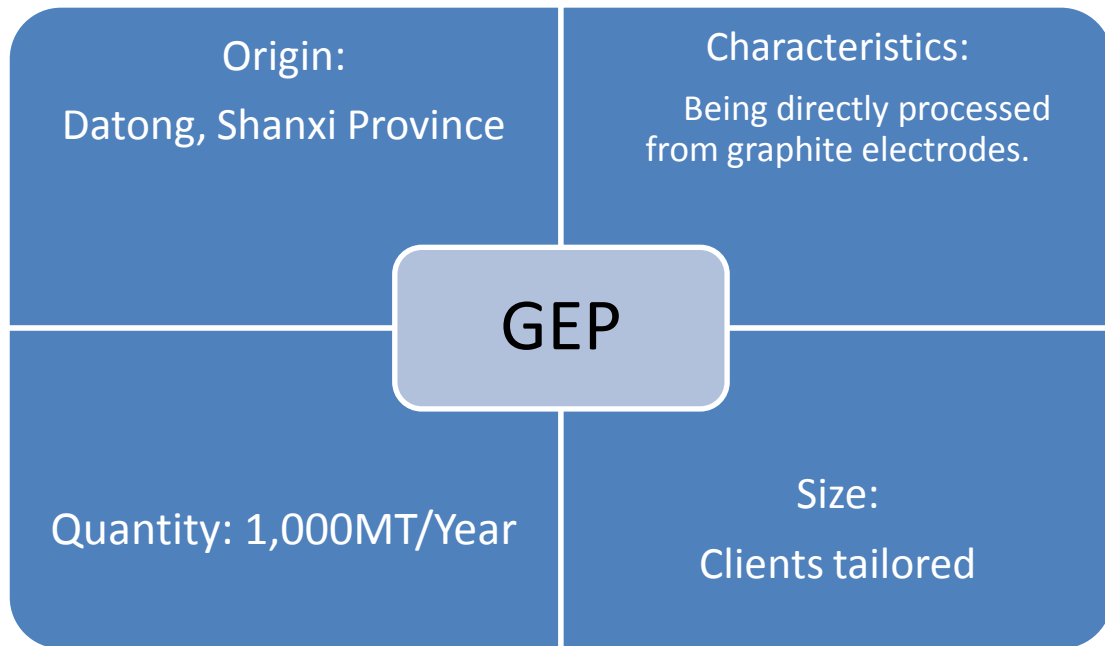


Specifications:

F.C	S	Ash	Volatile	Moisture	N
98.5%min	0.1%max	0.4%max	0.1%max	0.5%max	0.65%max
98.5%min	0.5%max	0.5%max	0.5%max	0.7%max	0.7%max
98.5&min	0.7%max	0.7%max	0.8%max	0.5%max	0.7%max

Apart from Calcined Petroleum Coke, by adopting pitch coke as the raw material, we could produce Calcined Pitch Coke as well, and it is with fixed carbon 99%min and sulfur 0.15%max.

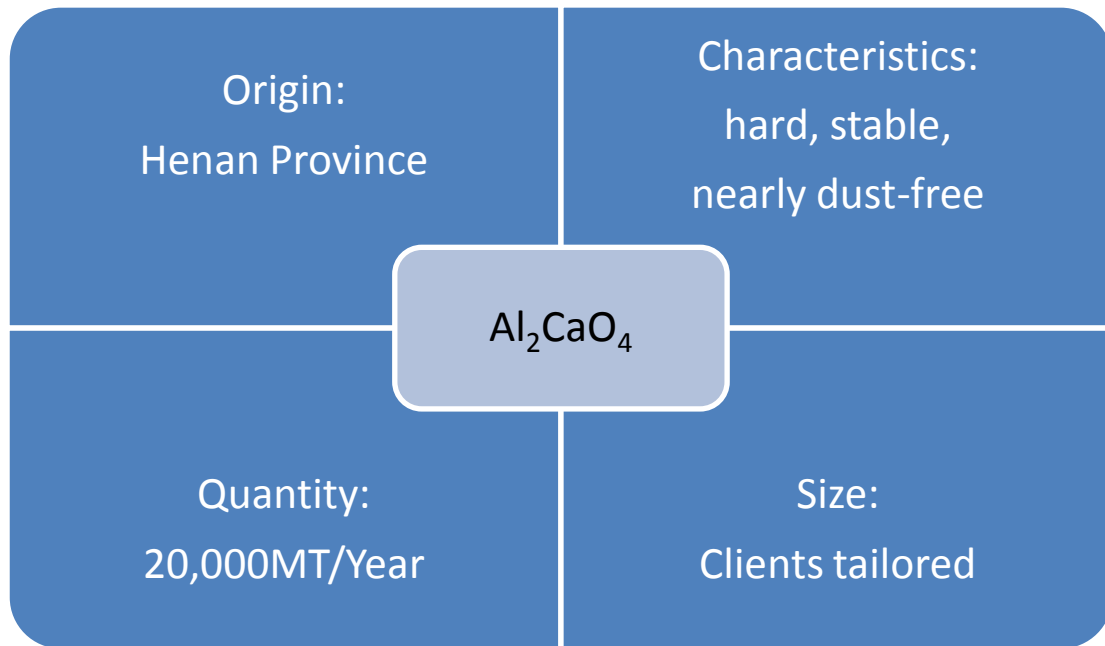
Graphite Electrode Scrap/ Powder/ Granules



Specifications:

Graphite Electrode Scrap				
F.C	S	Ash	Volatile	Moisture
99%min	0.03%max	0.45%max	0.76%max	0.11%max

Calcium Aluminate



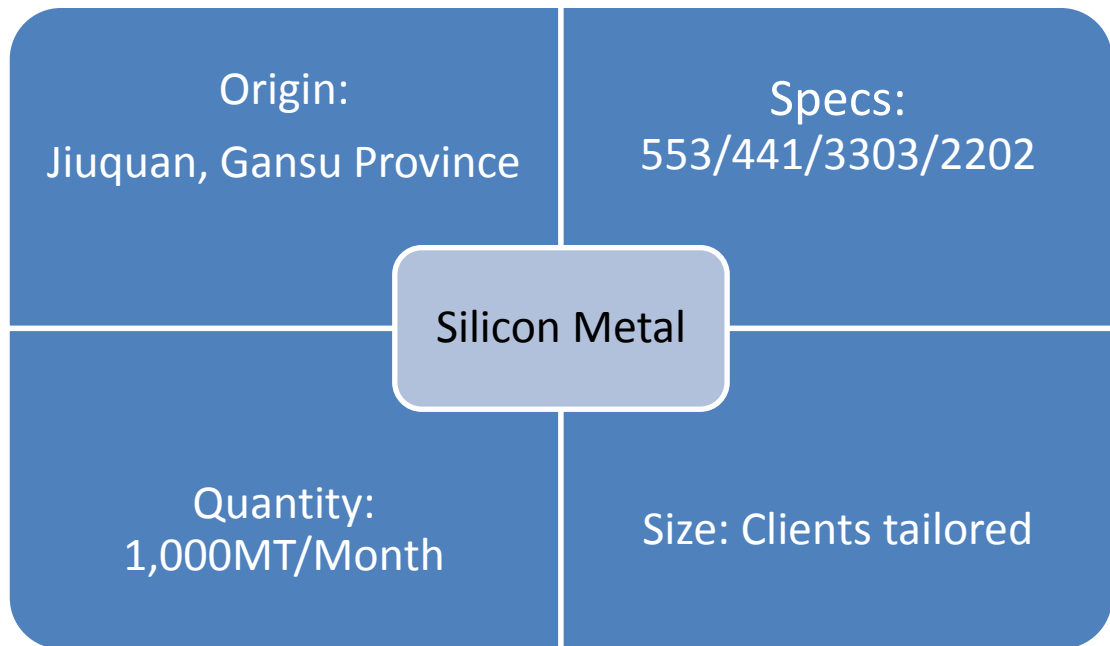
Specifications:

	CaO%	AlO ₂ %	SiO ₂ %max	TiO ₂ %max	MgO%max	Fe ₂ O ₃ %max
TYPE A	46-51	38-43	3.8	2	2	1.8
TYPE B	47-52	41-45	3.8	2	2	1.8
TYPE C	53-57	30-38	3.8	2	2	1.8
TYPE D	25-30	53-55	4	2.5	2	1.8
TYPE E	30-35	55-58	4	2.5	2	1.8
TYPE F	45-50	30-35	3.8	2	5-10	1.8
Melting Point						
1350°C-1400°C						
Bulk Density						
2.85-3.0g/m ³						

Calcium Aluminate is a completely pre-melt material manufactured to meet the specific requirement of steel making and metallurgy. And it has the features as below:

1. Specifically designed to have the required chemical composition and physical properties that make slag removal easy to handle.
2. Calcium Aluminate melts readily at “steel-making” temperatures.
3. The best substitute for Calcium Fluoride as it contains no fluorine compounds, thus avoiding refractory attack and atmospheric pollution.
4. Preventing the gaseous pick-up from atmosphere and an effective fluid sink that absorbs inclusions from steel.

Silicon Metal



Ferro Silicon

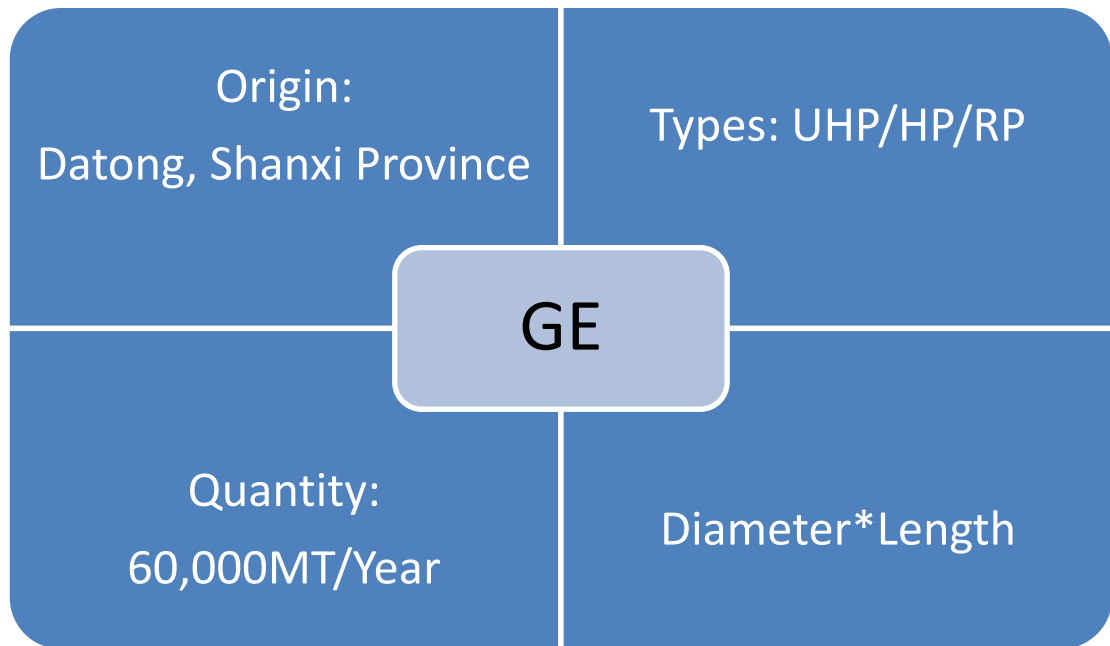


According to the standard GB2277-87, and based on Si and other impurities content, Ferro Silicon is divided into sixteen types as below:

	Specifications							
	Si	Al	Ca	Mn	Cr	P	S	C
	min	min	min	min	min	min	min	min
Fesi90Al1.5	87.0-95.0	1.5	0.5	0.4	0.2	0.04	0.02	0.2
Fesi90Al3	87.0-95.0	3.0	0.5	0.4	0.2	0.04	0.02	0.2
Fesi75Al10.5-A	74.0-80.0	0.5	1.0	0.4	0.3	0.035	0.02	0.1
Fesi75Al10.5-B	72.0-80.0	0.5	1.0	0.5	0.5	0.04	0.02	0.2
Fesi75Al1.0-A	74.0-80.0	1.0	1.0	0.4	0.3	0.035	0.02	0.1
Fesi75Al1.0-B	72.0-80.0	1.5	1.0	0.5	0.5	0.04	0.02	0.2
Fesi75Al1.5-A	74.0-80.0	1.5	1.0	0.4	0.3	0.035	0.02	0.1
Fesi75Al1.5-B	72.0-80.0	1.5	1.0	0.5	0.5	0.04	0.02	0.2
Fesi75Al12.0-A	74.0-80.0	2.0	1.0	0.4	0.3	0.035	0.02	0.1
Fesi75Al12.0-B	74.0-80.0	2.0	1.0	0.4	0.3	0.04	0.02	0.1
Fesi75Al12.0-C	72.0-80.0	2.0	-	0.5	0.5	0.04	0.02	0.2
Fesi75-A	74.0-	-	-	0.4	0.3	0.035	0.02	0.1

	80.0							
Fesi75-B	74.0-80.0	-	-	0.4	0.3	0.04	0.02	0.1
Fesi75-C	72.0-80.0	-	-	0.5	0.5	0.04	0.02	0.2
Fesi65	65.0-<72.0	-	-	0.6	0.5	0.04	0.02	-
Fesi45	40.0-47.0	-	-	0.7	0.5	0.04	0.02	-
Quantity Available: 1,000 MT/Month								

Graphite Electrode





Item	Unit	Nominal Diameter					
		UHP		HP		RP	
		≤Φ400	≥Φ450	≤Φ400	≥Φ450	≤Φ300	≥Φ350
Resistance	E	≤5.5		≤8.5		≤8.5	
	N	≤4.5		≤5.5		≤8.5	
Bending Strength	E	≥11.0	≥10.5	≥9.8	≥8.5	≥7.0	
	N	≥20.0	≥16.0		≥15.0		
Elastic Modulus	E	≤14.0		≤12.0		≤9.3	
	N	≤18.0		≤16.0		≤14.0	
Bulk Density	E	≥1.66	≥1.67	≥1.62	1.60	≥1.53	≥1.52
	N	≥1.75		≥1.73		≥1.69	
CTE.	E	≤1.5		≤2.4		≤2.9	
	N	≤1.4		≤2.2		≤2.8	
Ash	%	≤0.3		≤0.3		≤0.5	

Graphite electrode to allow the current load and current density (recommended)

Nominal Diameter	RP		HP		UHP	
	Current load A	Current Density A/cm ²	Current load A	Current Density A/cm ²	Current load A	Current Density A/cm ²
200	5000-8900	15-21	5500-9000	18-25		
250	7000-10000	14-20	8000-13000	18-25	9200-15100	21-30
300	10000-13000	14-18	13000-17400	17-24	13000-22000	20-30
350	13500-18000	14-18	17400-24000	17-24	20000-30000	20-30
400	18000-23500	14-18	21000-32000	16-24	25000-40000	19-30
450	22000-27000	13-17	25000-40000	15-24	32000-45000	19-27
500	25000-32000	13-16	30000-48000	15-24	38000-55000	18-27
550	32000-40000	13-16	37000-57000	15-23	48000-80000	18-24
600	38000-47000	13-16	44000-67000	15-23	52000-72000	18-24
700	45000-54000	13-16	54000-73000	15-23	62000-95000	18-24

Cone size of graphite electrode joints

Unit: mm

Diameter			Nipple				Socket		Pitch
			D	d2	L	l	d1	H	
			Tolerance:			Tolerance:			
	mm	in	(-0.30~0)	(-0.30~0)	(-1~0)	±	(0~0.3)	(0~7)	
3TPI	225	9"	139.70	91.22	203.20	7	141.22	107.60	
	250	10"	155.57	104.20	220.00		157.09	116.00	
	300	12"	177.16	117.39	270.90		148.88	141.50	
	350	14"	215.90	150.48	304.80		217.42	158.40	
	400	16"	215.90	150.48	304.80		217.42	158.40	
	400	16"	241.30	170.23	338.70		242.82	175.30	
	450	18"	241.30	170.23	338.70		242.82	175.30	
	450	18"	273.05	199.17	355.60		274.57	183.80	
	500	20"	273.05	199.17	355.60		274.57	183.80	
	500	20"	298.45	221.73	372.60		299.97	192.20	
550	22"	298.45	221.73	372.60	299.97	192.20			
600	24"	338.55	245.73	457.30	338.07	234.60			
3TPIL	350	14"	215.90	144.85	338.70	217.42	175.30		
	400	16"	241.30	167.43	355.60	242.82	183.80		
	450	18"	273.05	182.23	457.30	274.57	234.60		
4TPI	200	8"	122.24	81.48	177.80	7	115.92	94.90	
	225	9"	139.70	98.94	177.80		133.38	94.90	
	250	10"	152.40	109.52	190.50		146.08	101.30	
	300	12"	177.80	130.69	215.90		171.48	114.00	
	350	14"	203.20	149.74	254.00		196.88	133.00	
	400	16"	222.25	160.32	304.80		215.93	158.40	
	450	18"	241.30	179.37	304.80		234.98	158.40	
	500	20"	269.88	199.49	355.60		263.56	183.80	
	550	22"	298.45	228.06	355.60		292.13	183.80	
	600	24"	317.50	247.11	355.60		311.18	183.80	
650	26"	355.60	268.27	457.20	349.28	234.60			
700	28"	374.65	287.32	457.20	368.33	234.60			
4TPIL	300	12"	177.80	124.34	254.00	171.48	133.00		
	350	14"	203.20	141.27	304.80	196.88	158.40		
	400	16"	222.25	151.86	355.60	215.93	183.80		
	450	18"	241.30	170.91	355.60	234.98	183.80		
	500	20"	269.88	182.55	457.20	263.56	234.60		
	550	22"	298.45	211.12	457.20	292.13	234.60		
	600	24"	317.50	230.17	457.20	311.18	234.60		
	650	26"	355.64	251.38	558.80	349.28	285.40		
	700	28"	374.65	270.39	558.80	368.33	285.40		

Package and delivery

Pallets

1. Wood Pallet with Fumigation Mark



2. Non Wood Composite Board



Bags

Bulk bag



Package



The coating, inflated paper bag and the blue ball that the red arrow points to are all used for quakeproof, which help the products be intact.

Quality Assurance

In response to the requirements of the market, our quality assurance has always been built up based on international standards. We could provide SGS report, Inspectorate and other official inspections by the third party. Besides, we have received ISO9001.

Certificate



Our Reference : MMQ14-2207J
 Date : August 15, 2014

Report of Analysis

Client : DELDA CARBON CO.,LTD
 Declared Material : SIC
 Sample Received Date : August 11, 2014

THIS IS TO CERTIFY that we have performed required analysis on the above-mentioned submitted samples with analytical results as follows:

Analytical Results as the Submitted Samples:

Total Si	83.32 %	Total C	27.09 %
Si (from SIC)	81.87 %	C (from SIC)	26.40 %
Free Si	0.22 %	Free C	0.62 %
SiO2	3.94 %		

The above reflect our findings at time and place of tests for the submitted sample only. It does not refer to the quality of the whole shipment. This certificate does not evidence shipment.

For and on behalf of
 Inspectorate (Shanghai) Ltd.

No.0112000



通标标准技术服务(天津)有限公司
 SGS-CSTC Standards Technical Services(Tianjin) Co.,Ltd

Report Order MNR1417187J page 1 of 1
 Issue No: 0112000

TESTING REPORT

Declared Principal Name : DELDA CARBON Co.,LTD
 Declared Principal Address : /
 Declared Sample Name : carbon additive
 Sample Received Date : 2014-08-11
 Declared Order Number : /
 Sample Condition on Receipt : granular(powder)(1.22kg)

In accordance with instructions received from applicant, we prepared and carried out required test on the submitted sample. The analysis results reported as follows:

Test Name	Unit	Symbol	Unit	Result	Method/Standard No.
Fixed Carbon	%	FC	%	86.86	GB/T 212-2008
Total Sulfur	%	St	%	0.12	GB/T 214-2007

Remarks:
 1. The test report would be invalid without signature of the persons for approval. The test report would be invalid if altered. The test report would be invalid if reproduced, except in full, without written approval of the Company.
 2. Different operators doing test report should be reported to us within 15 days from the date of receiving the test report.

-----The end-----

MINOR: The analysis is done on the findings recorded based on the "findings" of the samples received and / or provided to the client on or to a third party during the course of a transaction. The findings are made in accordance with the terms, conditions and limitations of our analysis and should be made in the context of the findings. We assume no liability with regard to the accuracy or completeness of our analysis and should be made in the context of the findings. We assume no liability with regard to the accuracy or completeness of our analysis and should be made in the context of the findings.

SGS-CSTC Standards Technical Services(Tianjin) Co., Ltd
 Minerals Laboratory

Authorized Signature
 2014-08-15



Test Date: 08-01 Tel: 86 22 52008888 Fax: 86 22 52009917 **TJMIN 007123**
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