

SYRAHCOARSE 5097

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+ 50 Mesh (+ 300 µm)

SYRCRS 5097					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	96.4	≥ 80	ASTM E11-16
	+60# (250 µm)		0.1		
	+80# (177µm)		0.1	-	
	+100# (149µm)		0.1	-	
	+150# (106µm)		0.2	-	
	+200# (74µm)		0.3		
	+325# (44µm)		0.6	-	
	-325# (44µm)	% Pass. Below (低于)	2.2	≤ 5	
Fixed Carbon / 含碳量		%	97.1	≥ 97.0	GB/3521-2008** \ JIS M8511
Ash / 灰分		%	2.6	≤ 3.0	
Volatile / 挥发分		%	0.3	≤ 1.2	
Moisture / 水分		%	0.06	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

* Values may vary due to method and procedure of analysis, for more detail please refer to [Summary of physical sampling and analytical procedures](#).

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SYRAHCOARSE 5096

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+50 Mesh (+300 µm)

SYRCRS 5096					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	94.7	≥ 80	ASTM E11-16
	+60# (250 µm)		0.2		
	+80# (177µm)		0.3	-	
	+100# (149µm)		0.2	-	
	+150# (106µm)		0.3	-	
	+200# (74µm)		0.4		
	+325# (44µm)		1.2	-	
	-325# (44µm)	% Pass. Below (低于)	2.7	≤ 5	
Fixed Carbon / 含碳量		%	96.4	≥ 96.0	GB/3521-2008** \ JIS M8511
Ash / 灰分		%	3.2	≤ 4.0	
Volatile / 挥发分		%	0.3	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHCOARSE 5094-95

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+50 Mesh (+300 µm)

SYRCRS 5094					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	93.2	≥ 80	ASTM E11-16
	+60# (250 µm)		0.5		
	+80# (177µm)		0.7	-	
	+100# (149µm)		0.2	-	
	+150# (106µm)		0.3	-	
	+200# (74µm)		0.4		
	+325# (44µm)		1.3	-	
	-325# (44µm)	% Pass. Below (低于)	3.4	≤ 5	
Fixed Carbon / 含碳量		%	95.5	≥ 94.0	GB/3521-2008** \ JIS M8511
Ash / 灰分		%	4.1	≤ 6.0	
Volatile / 挥发分		%	0.4	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHFLAKE 8097

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+80 Mesh (+180 µm)

SYRFLK 8097					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	15.0	≥ 80	ASTM E11-16
	+60# (250 µm)		20.8		
	+80# (177µm)		47.9		
	+100# (149µm)		11.5	-	
	+150# (106µm)		2.4	-	
	+200# (74µm)		0.7	-	
	+325# (44µm)		0.6	-	
	-325# (44µm)	% Pass. Below (低于)	1.0	≤ 5	
Fixed Carbon / 含碳量		%	97.1	≥ 97.0	GB/3521-2008**\ JIS M8511
Ash / 灰分		%	2.6	≤ 3.0	
Volatile / 挥发分		%	0.3	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHFLAKE 8096

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+80 Mesh (+180 µm)

SYRFLK 8096					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method*
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	16.7	≥ 80	ASTM E11-16
	+60# (250 µm)		21.8		
	+80# (177µm)		45.7		
	+100# (149µm)		11.0	-	
	+150# (106µm)		2.5	-	
	+200# (74µm)		0.8	-	
	+325# (44µm)		0.7	-	
	-325# (44µm)	% Pass. Below (低于)	0.8	≤ 5	
Fixed Carbon / 含碳量		%	96.4	≥ 96.0	GB/3521-2008**/ JIS M8511
Ash / 灰分		%	3.2	≤ 4.0	
Volatile / 挥发分		%	0.4	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHFLAKE 8095

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+80 Mesh (+180 µm)

SYRFLK 8095					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method* (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	14.8	≥ 80	ASTM E11-16
	+60# (250 µm)		20.6		
	+80# (177µm)		46.2		
	+100# (149µm)		12.4	-	
	+150# (106µm)		2.8	-	
	+200# (74µm)		1.2	-	
	+325# (44µm)		0.9	-	
	-325# (44µm)	% Pass. Below (低于)	1.1	≤ 5	
Fixed Carbon / 含碳量		%	95.5	≥ 95.0	GB/3521-2008**/ JIS M8511
Ash / 灰分		%	4.1	≤ 5.0	
Volatile / 挥发分		%	0.4	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHFLAKE 8094

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+80 Mesh (+180 µm)

SYRFLK 8094					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	18.6	≥ 80	ASTM E11-16
	+60# (250 µm)		23.5		
	+80# (177µm)		43.6		
	+100# (149µm)		10.0	-	
	+150# (106µm)		2.2	-	
	+200# (74µm)		0.7	-	
	+325# (44µm)		0.6	-	
	-325# (44µm)	% Pass. Below (低于)	0.8	≤ 20	
Fixed Carbon / 含碳量		%	95.5	94.0 - 95.99	GB/3521-2008**\ JIS M8511
Ash / 灰分		%	4.1	≤ 6.0	
Volatile / 挥发分		%	0.4	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHFLAKE 10097

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+100 Mesh (+150 µm)

SYRFLK 10097					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	11	≥ 80	ASTM E11-16
	+60# (250 µm)		17		
	+80# (177µm)		45.5		
	+100# (149µm)		16.1		
	+150# (106µm)		6.3	-	
	+200# (74µm)		1.7		
	+325# (44µm)		1.2	-	
	-325# (44µm)	% Pass. Below (低于)	1.2	≤ 20	
Fixed Carbon / 含碳量		%	97.1	≥ 97.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	2.6	≤ 3.0	
Volatile / 挥发分		%	0.3	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHFLAKE 10096

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+100 Mesh (+150 µm)

SYRFLK10096					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	10.4	≥ 80	ASTM E11-16
	+60# (250 µm)		15.4		
	+80# (177µm)		45.6		
	+100# (149µm)		17.6		
	+150# (106µm)		6.5	-	
	+200# (74µm)		1.6		
	+325# (44µm)		1.3	-	
	-325# (44µm)	% Pass. Below (低于)	1.6	≤ 20	
Fixed Carbon / 含碳量		%	96.4	≥ 96.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	3.2	≤ 4.0	
Volatile / 挥发分		%	0.4	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHFLAKE 10094

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+ 100 Mesh (+150 µm)

SYRFLK10094					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	10.7	≥ 80	ASTM E11-16
	+60# (250 µm)		15.2		
	+80# (177µm)		44.1		
	+100# (149µm)		17.7		
	+150# (106µm)		7.1	-	
	+200# (74 µm)		2		
	+325# (44µm)		1.5	-	
	-325# (44µm)	% Pass. Below (低于)	1.7	≤ 20% below (低于 %)	
Fixed Carbon / 含碳量		%	95.8	≥ 94.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	3.8	≤ 6.0	
Volatile / 挥发分		%	0.4	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHMX 10097

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

MX Type

SYRMX 10097					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	5.9	> 20	ASTM E11-16
	+60# (250 µm)		11.8		
	+80# (177µm)		41.6		
	+100# (149µm)		16		
	+150# (106µm)		10.7	-	
	+200# (74 µm)		6.1		
	+325# (44µm)		4.5	-	
	-325# (44µm)	% Pass. Below (低于)	3.4	≤ 20	
Fixed Carbon / 含碳量		%	97.1	≥ 97.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	2.6	≤ 3.0	
Volatile / 挥发分		%	0.3	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHMX 10094-96

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

MX Type

SYRMX 10094					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	7.6	> 20	ASTM E11-16
	+60# (250 µm)		10.6		
	+80# (177µm)		33.9		
	+100# (149µm)		18.4		
	+150# (106µm)		13.4	-	
	+200# (74 µm)		6.4		
	+325# (44µm)		5.3	-	
	-325# (44µm)	% Pass. Below (低于)	4.4	≤ 20	
Fixed Carbon / 含碳量		%	96.1	94.0 - 96.99	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	3.5	≤ 6.0	
Volatile / 挥发分		%	0.4	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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PFG 100999

Purified Natural Crystalline Flake Graphite

-100 Mesh (-150 µm)

PFG 100999					
	Mesh Size	Unit	Typical	Guaranteed	Method
Particle Size	+50# (297µm)	% Ret. Above	0	< 20	ASTM E11-16
	+60# (250 µm)		0		
	+80# (177µm)		2.5		
	+100# (149µm)		8.8		
	+150# (106µm)		23.4	-	
	+200# (74 µm)		24.8		
	+325# (44µm)		23.9	-	
	-325# (44µm)	% Pass. Below	16.6	≤ 20	
LOI Carbon		%	99.96	≥ 99.9	100%-Ash
Ash		%	0.04	≤ 0.1	ASTM C561
Moisture		%	0.1	≤ 0.2	ASTM C562
Elemental - Fe		ppm	30	50	ICP-OES Acid digest
Elemental – Si			50	100	
Elemental – S			50	100	
Packaging		kg	1000	1000±5%	Bulk Bag

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SYRAHFINE 10097

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

-100 Mesh (-150 µm)

SYRFIN 10097					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	0	< 20	ASTM E11-16
	+60# (250 µm)		0		
	+80# (177µm)		1.5		
	+100# (149µm)		6.8		
	+150# (106µm)		24.4	-	
	+200# (74 µm)		25.8		
	+325# (44µm)		24.9	-	
	-325# (44µm)	% Pass. Below (低于)	16.6	≤ 20	
Fixed Carbon / 含碳量		%	97.2	≥ 97.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	2.4	≤ 3.0	
Volatile / 挥发分		%	0.4	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHFINE 10096

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

-100 Mesh (-150 µm)

SYRFIN 10096					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	0.0	< 20	ASTM E11-16
	+60# (250 µm)		0.0		
	+80# (177µm)		1.5		
	+100# (149µm)		6.8		
	+150# (106µm)		24.4	-	
	+200# (74 µm)		25.8		
	+325# (44µm)		24.9	-	
	-325# (44µm)	% Pass. Below (低于)	16.6	≤ 20	
Fixed Carbon / 含碳量		%	96.5	≥ 96.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	2.8	≤ 4.0	
Volatile / 挥发分		%	0.5	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHFINE 10095

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

-100 Mesh (-150 µm)

SYRFIN 10095					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	0.0	< 20	ASTM E11-16
	+60# (250 µm)		0.0		
	+80# (177µm)		1.3		
	+100# (149µm)		6.6		
	+150# (106µm)		24.6	-	
	+200# (74 µm)		25.9		
	+325# (44µm)		24.8	-	
	-325# (44µm)	% Pass. Below (低于)	16.8	≤ 20	
Fixed Carbon / 含碳量		%	95.4	≥ 95.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	4.1	≤ 5.0	
Volatile / 挥发分		%	0.5	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHFINE 10094

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

-100 Mesh (-150 µm)

SYRFIN 10094					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	0.0	< 20	ASTM E11-16
	+60# (250 µm)		0.0		
	+80# (177µm)		1.3		
	+100# (149µm)		6.9		
	+150# (106µm)		24.6	-	
	+200# (74 µm)		25.3		
	+325# (44µm)		24.7	-	
	-325# (44µm)	% Pass. Below (低于)	17.2	≤ 20	
Fixed Carbon / 含碳量		%	94.7	≥ 94.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	4.7	≤ 6.0	
Volatile / 挥发分		%	0.6	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHSTANDARD PS

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

SYRSTD PS					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	0.0	-	ASTM E11-16
	+60# (250 µm)		0.0		
	+80# (177µm)		0.9	-	
	+100# (149µm)		4.9	-	
	+150# (106µm)		19.5	-	
	+200# (74 µm)		23.7		
	+325# (44µm)		26.9	-	
	-325# (44µm)	% Pass. Below (低于)	24.1	-	
Fixed Carbon / 含碳量		%	95.1	≥ 94.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	4.3	≤ 6.0	
Volatile / 挥发分		%	0.6	≤ 1.2	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHSTANDARD FC

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

SYRSTD FC (" -193")					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	2.7	-	ASTM E11-16
	+60# (250 µm)		1.1		
	+80# (177µm)		3.1	-	
	+100# (149µm)		6.6	-	
	+150# (106µm)		21.5	-	
	+200# (74 µm)		23.0		
	+325# (44µm)		23.9	-	
	-325# (44µm)	% Pass. Below (低于)	18.1	≤ 20	
Fixed Carbon / 含碳量		%	93.7	≥ 90.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	5.7	≤ 10.0	
Volatile / 挥发分		%	0.6	≤ 3.0	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	1000	1000±5%	Bulk Bag / 吨包

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SYRAHSTANDARD OT

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

SYRSTD OT					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	0.7	-	ASTM E11-16
	+60# (250 µm)		0.1		
	+80# (177µm)		1.2	-	
	+100# (149µm)		5.1	-	
	+150# (106µm)		18.5	-	
	+200# (74 µm)		21.8		
	+325# (44µm)		26.9	-	
	-325# (44µm)	% Pass. Below (低于)	25.7	-	
Fixed Carbon / 含碳量		%	93.4	-	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	5.9	-	
Volatile / 挥发分		%	0.7	-	
Moisture / 水分		%	0.1	-	
Material Shipping / 材料运输包装		kg	1000	1,000±5%	Bulk Bag / 吨包

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SYRAHPOWDER 32580

Natural Crystalline Flake Graphite

325 Mesh (44 µm)

SYRPOW 32580					
	Mesh Size (目数)	Unit (单位)	Typical (典型)	Guaranteed (标准)	Method (测量标准)
Particle Size / 粒度分布	+50# (297µm)	% Ret. Above (高于 %)	0.0	-	ASTM E11-16
	+60# (250 µm)		0.0		
	+80# (177µm)		0.0	-	
	+100# (149µm)		0.4	-	
	+150# (106µm)		1.5	-	
	+200# (74 µm)		2.6		
	+325# (44µm)		5.5	-	
	-325# (44µm)	% Pass. Below (低于)	90.0	≥ 80%	
Fixed Carbon / 含碳量		%	82.1	≥ 70.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	15.7	≤ 30.0	
Volatile / 挥发分		%	2.2	≤ 6.0	
Moisture / 水分		%	0.2	≤ 0.5	
Material Shipping / 材料运输包装		kg	-	> 350	Bulk Bag / 吨包

* Values may vary due to method and procedure of analysis, for more detail please refer to [Summary of physical sampling and analytical procedures](#).

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