

SYRAHCOARSE 5097

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+50 Mesh (+300 µm)

SYRCRS 5097 (“+597”)					
	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	≥ 80	ASTM E11-16
	+60# (250 µm)		2		
	+80# (177µm)		0.5	-	
	+100# (149µm)		0.5	-	
	+150# (106µm)		0.5	-	
	+200# (74µm)		0.5		
	+325# (44µm)		1	-	
	-325# (44µm)	% Pass. Below (低于)	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		%	0.1	≤ 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 (“+596”)					
	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 %)	92	≥ 80	ASTM E11-16
	+60# (250 µm)		1		
	+80# (177µm)		1	-	
	+100# (149µm)		0.5	-	
	+150# (106µm)		0.5	-	
	+200# (74µm)		1		
	+325# (44µm)		1	-	
	-325# (44µm)	% Pass. Below (低于)	3	≤ 5	
Fixed Carbon / 含碳量		%	96.16	≥ 96.0	GB/3521-2008** \ JIS M8511
Ash / 灰分		%	3.43	≤ 4.0	
Volatile / 挥发分		%	0.41	≤ 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 5095

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+50 Mesh (+300 µm)

SYRCRS 5095 (“+595”)					
	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 %)	90	≥ 80	ASTM E11-16
	+60# (250 µm)		1		
	+80# (177µm)		1	-	
	+100# (149µm)		1	-	
	+150# (106µm)		1	-	
	+200# (74µm)		1		
	+325# (44µm)		2	-	
	-325# (44µm)	% Pass. Below (低于)	3	≤ 5	
Fixed Carbon / 含碳量		%	95.46	≥ 95.0	GB/3521-2008** \ JIS M8511
Ash / 灰分		%	4.09	≤ 5.0	
Volatile / 挥发分		%	0.45	≤ 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

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+50 Mesh (+300 µm)

SYRCRS 5094 (“+594”)					
	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 %)	88	≥ 70	ASTM E11-16
	+60# (250 µm)		1		
	+80# (177µm)		1	-	
	+100# (149µm)		1	-	
	+150# (106µm)		1	-	
	+200# (74µm)		2		
	+325# (44µm)		2	-	
	-325# (44µm)	% Pass. Below (低于)	4	≤ 5	
Fixed Carbon / 含碳量		%	94.4	≥ 94.0	GB/3521-2008** \ JIS M8511
Ash / 灰分		%	4.1	≤ 6.0	
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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SYRAHFLAKE 8097

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+80 Mesh (+180 µm)

SYRFLK 8097 (“+897”)					
	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	≥ 80	ASTM E11-16
	+60# (250 µm)		25		
	+80# (177µm)		48		
	+100# (149µm)		8	-	
	+150# (106µm)		1	-	
	+200# (74µm)		1		
	+325# (44µm)		1	-	
	-325# (44µm)	% Pass. Below (低于)	1	≤ 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 (“+896”)					
	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 %)	13	≥ 80	ASTM E11-16
	+60# (250 µm)		25		
	+80# (177µm)		49		
	+100# (149µm)		7	-	
	+150# (106µm)		1	-	
	+200# (74µm)		1		
	+325# (44µm)		2	-	
	-325# (44µm)	% Pass. Below (低于)	2	≤ 5	
Fixed Carbon / 含碳量		%	96.16	≥ 96.0	GB/3521-2008**/ JIS M8511
Ash / 灰分		%	3.44	≤ 4.0	
Volatile / 挥发分		%	0.40	≤ 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 (“+895”)					
	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 %)	12	≥ 80	ASTM E11-16
	+60# (250 µm)		24		
	+80# (177µm)		50		
	+100# (149µm)		8	-	
	+150# (106µm)		1	-	
	+200# (74µm)		1	-	
	+325# (44µm)		2	-	
	-325# (44µm)	% Pass. Below (低于)	2	≤ 5	
Fixed Carbon / 含碳量		%	95.55	≥ 95.0	GB/3521-2008**/ JIS M8511
Ash / 灰分		%	4.02	≤ 5.0	
Volatile / 挥发分		%	0.43	≤ 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 (“+894”)					
	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	≥ 80	ASTM E11-16
	+60# (250 µm)		22		
	+80# (177µm)		50		
	+100# (149µm)		8	-	
	+150# (106µm)		3	-	
	+200# (74µm)		3	-	
	+325# (44µm)		2	-	
	-325# (44µm)	% Pass. Below (低于)	2	≤ 5	
Fixed Carbon / 含碳量		%	94.72	≥ 94.0	GB/3521-2008**\ JIS M8511
Ash / 灰分		%	4.78	≤ 6.0	
Volatile / 挥发分		%	0.50	≤ 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 (“+197”)					
	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		
	+100# (149µm)		15		
	+150# (106µm)		7	-	
	+200# (74µm)		2	-	
	+325# (44µm)		1	-	
	-325# (44µm)	% Pass. Below (低于)	2	≤ 5	
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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Technical information – Confidential - Print only for information

(机密文件，禁止外传)

SYRAHFLAKE 10096

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+100 Mesh (+150 µm)

SYRFLK10096 (“+196”)					
	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 %)	9	≥ 80	ASTM E11-16
	+60# (250 µm)		18		
	+80# (177µm)		46		
	+100# (149µm)		15		
	+150# (106µm)		7	-	
	+200# (74µm)		2		
	+325# (44µm)		1	-	
	-325# (44µm)	% Pass. Below (低于)	2	≤ 5	
Fixed Carbon / 含碳量		%	96.11	≥ 96.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	3.50	≤ 4.0	
Volatile / 挥发分		%	0.40	≤ 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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Technical information – Confidential - Print only for information

(机密文件，禁止外传)

SYRAHFLAKE 10095

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+100 Mesh (+150 µm)

SYRFLK10095 (“+195”)					
	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	≥ 80	ASTM E11-16
	+60# (250 µm)		20		
	+80# (177µm)		44		
	+100# (149µm)		14		
	+150# (106µm)		8	-	
	+200# (74 µm)		4	-	
	+325# (44µm)		3	-	
	-325# (44µm)	% Pass. Below (低于)	3	≤ 5	
Fixed Carbon / 含碳量		%	95.15	≥ 95.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	4.38	≤ 5.0	
Volatile / 挥发分		%	0.48	≤ 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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Technical information – Confidential - Print only for information

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SYRAHFLAKE 10094

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

+100 Mesh (+150 µm)

SYRFLK10094 (“+194”)					
	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	≥ 80	ASTM E11-16
	+60# (250 µm)		20		
	+80# (177µm)		44		
	+100# (149µm)		13		
	+150# (106µm)		8	-	
	+200# (74 µm)		4		
	+325# (44µm)		3	-	
	-325# (44µm)	% Pass. Below (低于)	3	≤ 5	
Fixed Carbon / 含碳量		%	94.8	≥ 94.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	4.7	≤ 6.0	
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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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 %)	12	> 20	ASTM E11-16
	+60# (250 µm)		12		
	+80# (177µm)		26		
	+100# (149µm)		20		
	+150# (106µm)		12	-	
	+200# (74 µm)		6		
	+325# (44µm)		5	-	
	-325# (44µm)	% Pass. Below (低于)	7	≤ 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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** Utilising Nitrogen Protection and lidded crucible through VM determination to prevent oxidation.

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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 %)	10	> 20	ASTM E11-16
	+60# (250 µm)		10		
	+80# (177µm)		24		
	+100# (149µm)		18		
	+150# (106µm)		18	-	
	+200# (74 µm)		7		
	+325# (44µm)		5	-	
	-325# (44µm)	% Pass. Below (低于)	8	≤ 20	
Fixed Carbon / 含碳量		%	95.1	≥ 94.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	4.41	≤ 6.0	
Volatile / 挥发分		%	0.53	≤ 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 10097

Natural Crystalline Flake Graphite

(纯天然结晶片状石墨)

-100 Mesh (-150 µm)

SYRFIN 10097 (“-197”)					
	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)		4		
	+100# (149µm)		8		
	+150# (106µm)		24	-	
	+200# (74 µm)		25		
	+325# (44µm)		24	-	
	-325# (44µm)	% Pass. Below (低于)	15	≤ 25	
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 (“-196”)					
	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)		3		
	+100# (149µm)		8		
	+150# (106µm)		24	-	
	+200# (74 µm)		25		
	+325# (44µm)		24	-	
	-325# (44µm)	% Pass. Below (低于)	16	≤ 25	
Fixed Carbon / 含碳量		%	96.3	≥ 96.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	3.20	≤ 4.0	
Volatile / 挥发分		%	0.54	≤ 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 (“-195”)					
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)		3		
	+100# (149µm)		7		
	+150# (106µm)		24	-	
	+200# (74 µm)		25		
	+325# (44µm)		24	-	
	-325# (44µm)	% Pass. Below (低于)	17	≤ 25	
Fixed Carbon / 含碳量		%	95.2	≥ 95.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	4.27	≤ 5.0	
Volatile / 挥发分		%	0.56	≤ 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 (“-194”)					
	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)		3		
	+100# (149µm)		7		
	+150# (106µm)		24	-	
	+200# (74 µm)		24		
	+325# (44µm)		23	-	
	-325# (44µm)	% Pass. Below (低于)	19	≤ 25	
Fixed Carbon / 含碳量		%	94.6	≥ 94.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	4.79	≤ 6.0	
Volatile / 挥发分		%	0.58	≤ 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

* 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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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	-	ASTM E11-16
	+60# (250 µm)		0		
	+80# (177µm)		2	-	
	+100# (149µm)		5	-	
	+150# (106µm)		17	-	
	+200# (74 µm)		23		
	+325# (44µm)		27	-	
	-325# (44µm)	% Pass. Below (低于)	26	-	
Fixed Carbon / 含碳量		%	95.3	≥ 94.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	4.10	≤ 6.0	
Volatile / 挥发分		%	0.56	≤ 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 %)	7	-	ASTM E11-16
	+60# (250 µm)		1		
	+80# (177µm)		3	-	
	+100# (149µm)		5	-	
	+150# (106µm)		20	-	
	+200# (74 µm)		22		
	+325# (44µm)		22	-	
	-325# (44µm)	% Pass. Below (低于)	20	≤ 25	
Fixed Carbon / 含碳量		%	93.8	≥ 90.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	5.54	≤ 10.0	
Volatile / 挥发分		%	0.68	≤ 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	-	ASTM E11-16
	+60# (250 µm)		0		
	+80# (177µm)		1	-	
	+100# (149µm)		5	-	
	+150# (106µm)		15	-	
	+200# (74 µm)		19		
	+325# (44µm)		24	-	
	-325# (44µm)	% Pass. Below (低于)	36	-	
Fixed Carbon / 含碳量		%	91.2	≥ 90.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	7.74	≤ 8.0	
Volatile / 挥发分		%	1.09	≤ 2.0	
Moisture / 水分		%	0.2	≤ 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	-	ASTM E11-16
	+60# (250 µm)		0		
	+80# (177µm)		0	-	
	+100# (149µm)		1	-	
	+150# (106µm)		1	-	
	+200# (74 µm)		3		
	+325# (44µm)		5	-	
	-325# (44µm)	% Pass. Below (低于)	90	≥ 80%	
Fixed Carbon / 含碳量		%	85.0	≥ 70.0	GB/3521-2008**\ JIS 8511
Ash / 灰分		%	13.20	≤ 30.0	
Volatile / 挥发分		%	1.79	≤ 6.0	
Moisture / 水分		%	0.1	≤ 0.5	
Material Shipping / 材料运输包装		kg	500	500±10%	Bulk Bag / 吨包

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