



Grade UC²

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.8
Ash: % max.	0.5	0.2
Sulfur: % max.	0.02	0.02
Nitrogen: % max.	0.05	0.02

Physical Properties

Properties	Specification	Typical
Moisture: max. %	0.5	0.3

Sizing	Typical
+3/8" %	0
+40 US mesh %	<10
PAN %	<1

Packing		
50 lbs. Bags	Super Sacks	Drums

TDS.091 Rev.0

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Grade 2005 μ

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.5	99.7
Ash: % max.	0.5	0.3

Physical Properties

Properties	Specification	Typical
D10: microns	As Reported	1.9
D50: microns	4-6	4.8
D90: microns	As Reported	8.0
Moisture: % max.	0.5	0.1
Volatiles: % max.	0.5	0.2

TDS.093 Rev.0

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Grade 2025 μ

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.6
Ash: % max.	1.0	0.4

Physical Properties

Properties	Specification	Typical
D10: microns	As Reported	5.76
D50: microns	18-30	23.6
D90: microns	As Reported	53.6
D99: microns	<100	74.1
-325 US Mesh %	80 min.	86.8
Moisture: % max.	0.5	0.1
Volatiles: % max.	0.5	0.2

TDS.094 Rev.3

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Grade 2035

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.5
Ash: % max.	1.0	0.5

Physical Properties

Properties	Specification	Typical
+18 US Mesh %	5 max.	1.73
+20 US Mesh %	As Reported	23.9
+30 US Mesh %	As Reported	50.2
+35 US Mesh %	As Reported	17.7
-35 US Mesh %	10 max.	6.47
Moisture: % max.	0.5	0.1
Volatiles: % max.	1.0	0.2

TDS.095 Rev.1

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Grade 2080

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.5
Ash: % max.	1.0	0.5

Physical Properties

Properties	Specification	Typical
+60 US Mesh %	20 max.	10
-325 US Mesh %	45 max.	15-18
D50: microns	150 – 250	200
+35 US Mesh %	As Reported	17.7
-35 US Mesh %	10 max.	6.47
Moisture: % max.	0.5	0.1
Volatiles: % max.	1.0	0.3

TDS.096 Rev.0

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Grade 2090

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.5
Ash: % max.	1.0	0.5

Physical Properties

Properties	Specification	Typical
+20 US Mesh %	5 max.	2.0
-80 US Mesh %	10 max	8.0
D50: microns	300 – 450	375
Moisture: % max.	0.5	0.1
Volatiles: % max.	1.0	0.3

TDS.098 Rev.1

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Grade 20830

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	98.0	99.4
Ash: % max.	2.0	0.6
Sulfur: % max.	0.05	0.02
Nitrogen: % max.	0.05	0.02

Physical Properties

Properties	Specification	Typical
Moisture: max. %	0.05	0.02

Sizing	Typical
+3/8" %	0
+10 US mesh %	90 min.
-10 US mesh %	10 max.

Packing		
50 lbs. Bags	Super Sacks	Drums

TDS.102 Rev.0

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Grade 2010 μ

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.6
Ash: % max.	1.0	0.5
Moisture: % max.	0.5	0.1
Volatiles: % max.	1.0	0.2

Physical Properties

Properties	Specification	Typical
D10: microns	3-7 Microns	6.7 Microns
D50: microns	10-14 Microns	13.1 Microns
D90: microns	18-25 Microns	21.3 Microns
D99: microns	14-24 Microns	21 Microns

TDS.0369 Rev.2

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Grade 2015u-P

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.90	99.92
Ash: % max.	0.10	0.08

Physical Properties

Properties	Specification	Typical
D10: microns	2.8-7.0	6.75
D50: microns	8.6-14.0	13.6
D90: microns	17.6-27.6	23.6
Moisture: max. %	0.5	0.08
Surface Area: m ² /g	6.0-11.0	8.20
Xylene Density: g/cc	2.24-2.28	2.25

Elemental Analysis

Elements	Specification	Typical
Al ppm	60 max.	53
Ca ppm	200 max.	168
Cr ppm	5 max.	5
Fe ppm	150 max.	48
Mo ppm	3 max.	2

Elements	Specification	Typical
Ni ppm	25 max.	24
Si ppm	200 max.	186
Sn ppm	10 max.	6
Co ppm	5 max.	1
Pb ppm	2 max.	1

TDS.0306 Rev.0

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LC Lube Ultrafine

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.68
Ash: % max.	1.0	0.32

Physical Properties

Properties	Specification	Typical
+60 US Mesh (250 micron) %	1.0 max.	0/trace
+100 US mesh (150 micron) %	1.0 max.	0.44
+140 US mesh (106 micron) %	1.0 max.	0.44
+200 US mesh (75 micron) %	4.0 max.	0.51
+325 US Mesh (44 micron) %	As Reported	1.03
-325 US Mesh (44 micron) %	70.0 min.	97.57
Moisture: max. %	0.5	0.08
Volatiles: % max.	0.5	0.27

TDS.0308 Rev.1

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Grade 2015 μ

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.6
Ash: % max.	1.0	0.5

Physical Properties

Properties	Specification	Typical
D10: microns	As Reported	3.91
D50: microns	10-18	15.5
D90: microns	25-45	39.2
-325 US Mesh %	97 min.	99.6
Moisture: % max.	0.5	0.1
Volatiles: % max.	1.0	0.2

TDS.0369 Rev.2

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Grade 2270

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.8
Ash: % max.	1.0	0.2
Sulfur: % max.	0.05	0.01

Physical Properties

Properties	Specification	Typical
+50 US Mesh %	0.0 max.	0.00
+80 US Mesh %	3.0 max.	0.01
+100 US Mesh %	40.0 max.	2.79
+200 US Mesh %	70.0 min.	87.80
+325 US Mesh %	15.0 max.	7.50
-325 US Mesh %	7.0 max.	1.91
Moisture: % max.	0.5	0.1

TDS.0370 Rev.1

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Grade 2580

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.7
Ash: % max.	1.0	0.3

Physical Properties

Properties	Specification	Typical
+35 US Mesh %	15 max.	0.2
+60 US Mesh %	45-90	60.7
+80 US Mesh %	5-40	29.2
PAN %	15 max.	9.9
Moisture: % max.	0.5	0.1

TDS.0371 Rev.1

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LC Lube Coarse

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.6
Ash: % max.	1.0	0.4
Iron: % max.	0.25	0.08

Physical Properties

Properties	Specification	Typical
D50: microns	34-46	38.3
+325 US Mesh %	30 max.	23.4
Moisture: % max.	0.3	0.1

TDS.0394 Rev.0

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Grade 22841

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.5	99.8
Ash: % max.	0.5	0.2
Sulfur: % max.	1.2	0.1
Aluminum: ppm max.	50	43

Physical Properties

Properties	Specification	Typical
+60 US Mesh %	20.0 max.	6.6
-325 US Mesh %	25.0 max.	20.5
Moisture: % max.	0.5	0.1
Volatiles: % Max.	0.4	0.3

TDS.0405 Rev.0

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Grade 2040 μ

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.6
Ash: % max.	1.0	0.4

Physical Properties

Properties	Specification	Typical
D10: microns	As Reported	18
D50: microns	As Reported	47
D90: microns	90-130	92
Moisture: % max.	0.5	0.1
Volatiles: % max.	0.5	0.2

TDS.0430 Rev.1

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Grade 3/8 X 60

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.7
Ash: % max.	1.0	0.3

Physical Properties

Properties	Specification	Typical
+1/2" %	0 max.	0
+3/8" %	50 max.	22.9
+1/4" %	50 max.	21.3
+8 US Mesh %	50 max.	16.82
+20 US Mesh %	50 max.	29.38
+60 US Mesh %	50 max.	8.1
+100 US Mesh %	15 max.	0.75
Moisture: % max.	2.0	0.3

TDS.0453 Rev.0

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Grade 2270

Quality, Service, and Consistency

Material Type: Synthetic Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	99.0	99.65
Ash: % max.	1.0	0.35
Moisture: % max.	1.0	0.02
Sulfur: % max.	0.05	0.02
Volatiles: % max.	0.5	0.24

Physical Properties

Properties	Specification	Typical
¼" Sieve %	Report	21.48
+5 US Mesh %	Report	25.34
+10 US Mesh %	Report	12.68
+18 US Mesh %	Report	5.37
-18 US Mesh %	Report	27.98

TDS.0370 Rev.1

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