



Grade 1050-E

Quality, Service, and Consistency

Material Type: Expandable Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	96.0	97.0
Ash: % max.	4.0	3.0

Physical Properties

Properties	Specification	Typical
Bulk Density: g/cc	0.5-0.65	0.56
Typical Expansion: cc/g	300 min.	360
>50 US Mesh %	70 min.	82.0
Moisture: max. %	1.0	0.4
pH Value	6.5-7.5	7.0

TDS.085 Rev.0

This information is not to be taken as a warranty of representation for which we will assume legal responsibility nor permission or recommendation to practice any patented invention without license. It is offered solely for your consideration, investigation and verification.





Grade 1080-E

Quality, Service, and Consistency

Material Type: Expandable Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	90.0	94.0
Ash: % max.	10.0	6.0

Physical Properties

Properties	Specification	Typical
Typical Expansion: cc/g	200 min.	220
>80 US Mesh %	80 min.	88.0
Moisture: max. %	1.0	0.4
pH Value	6.5-7.5	6.8

TDS.301 Rev.3

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Grade 1060-E

Quality, Service, and Consistency

Material Type: Expandable Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	97.0	98.0
Ash: % max.	3.0	2.0

Physical Properties

Properties	Specification	Typical
Typical Expansion: cc/g	200 min.	220
>80 US Mesh %	80 min.	88.0
Moisture: max. %	1.0	0.4
pH Value	6.5-7.5	6.8

TDS.303 Rev.3

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Grade 1085-E

Quality, Service, and Consistency

Material Type: Expandable Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	95.0	97.0
Ash: % max.	5.0	3.0

Physical Properties

Properties	Specification	Typical
Typical Expansion: cc/g	170 min.	205
>80 US Mesh %	85 min.	89.0
Moisture: max. %	1.0	0.4
pH Value	6.5-7.5	7.1

TDS.313 Rev.0

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Grade 1150-E

Quality, Service, and Consistency

Material Type: Expandable Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	96.0	96.0
Ash: % max.	4.0	2.5

Physical Properties

Properties	Specification	Typical
Bulk Density: g/cc	0.5-0.65	0.56
Typical Expansion: cc/g	80-160 min.	110
>50 US Mesh %	40.0 min.	51.0
Moisture: max. %	1.0	0.4
pH Value	6.5-7.5	7.0

TDS.0387 Rev.0

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Grade 1350-E

Quality, Service, and Consistency

Material Type: Expandable Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	95.0	96.5
Ash: % max.	5.0	3.5

Physical Properties

Properties	Specification	Typical
Bulk Density: g/cc	0.55 min.	0.58
Typical Expansion: cc/g	350 min.	360
>50 US Mesh %	75 min.	81.7
Moisture: max. %	1.0	0.4
Onset Temperature: °C	150-160	153
pH Value	6.5-7.5	7.0

TDS.0458 Rev.1

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Grade 1250-E

Quality, Service, and Consistency

Material Type: Expandable Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	95.0	96.5
Ash: % max.	5.0	3.5

Physical Properties

Properties	Specification	Typical
Bulk Density: g/cc	0.55 min.	0.58
Typical Expansion: cc/g	270 min.	280
>50 US Mesh %	75 min.	84.7
Moisture: max. %	1.0	0.4
Onset Temperature: °C	160-180	163
pH Value	6.5-7.5	7.0

TDS.0460 Rev.0

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Grade 1050p-E

Quality, Service, and Consistency

Material Type: Expandable Graphite

Chemical Properties

Properties	Specification	Typical
Carbon: % min.	96.0	97.5
Ash: % max.	4.0	2.5

Physical Properties

Properties	Specification	Typical
Bulk Density: g/cc	0.55 gm/cc Min	0.60 gm/cc
Typical Expansion: cc/g	350 cc/g Min	400 cc/g
>50 US Mesh %	75% Min.	80.74%
Moisture: max. %	1.0% Max	0.4%
pH Value	7.0-10	8.0
Onset Temp.	160-180 C	165 C

TDS.085 Rev.0

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