

### Natural Flake Graphite

**Product Name: LDI-NFG M100**

#### Country of Origin

Canada

#### General Characteristics

Formula: Carbon

Aspect: Fine black powder

CAS number: 7782-42-5

#### Standard Packaging

25 kg paper bags, 40 bags/pallet (1000 kg)

25 kg paper bags, 36 bags/pallet (900 kg)

50 lbs paper bags, 40 bags/pallet (2000 lbs)

1000 kg big bags, 1000 kg/pallet

#### Available Carbon Grades

From 94% to 97%

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This product is in compliance with the EC Directive 2002/95/CE (Restriction Of Hazardous Substances, RoHS). The information contained herein is believed to be correct. However, no warranty is made, either expressed or implied regarding the accuracy or the results to be obtained from the use of such information. The user assumes all risk and liability for intellectual property infringement and no statement(s) made in relation to this material is intended or shall be construed as inducing infringement of a valid patent.

DEC 2023

#### Guaranteed Values

Moisture: 0.5% max

Cumulative -100 mesh: 80% min  
(-150 micron)

#### Typical Values

##### Ash Analysis

|                                  |       |
|----------------------------------|-------|
| SiO <sub>2</sub> :               | 41.9% |
| Fe <sub>2</sub> O <sub>3</sub> : | 14.4% |
| Al <sub>2</sub> O <sub>3</sub> : | 14.6% |
| CaO:                             | 16.5% |
| MgO:                             | 7.1%  |
| K <sub>2</sub> O:                | 1.6%  |
| Na <sub>2</sub> O:               | 1.0%  |
| TiO <sub>2</sub> :               | 0.3%  |
| MnO:                             | 0.1%  |
| P <sub>2</sub> O <sub>5</sub> :  | 0.1%  |
| S:                               | 2.1%  |
| Trace:                           | 0.4%  |
| TOTAL:                           | 100%  |

These are typical values provided for information purposes. Individual Lots may vary.

#### Particle Size Distribution

(vibrated sieving)

| M100           | Average % | Minimum % | Maximum % |
|----------------|-----------|-----------|-----------|
| +80 Mesh       | 5         | 2         | 10        |
| -80/+100 Mesh  | 7         | 4         | 11        |
| -100/+140 Mesh | 18        | 13        | 23        |
| -140/+200 Mesh | 24        | 20        | 31        |
| -200/+325 Mesh | 25        | 19        | 32        |
| -325 Mesh      | 20        | 8         | 27        |

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