



**NORTHERN  
GRAPHITE**  
CORPORATION

# NATURAL GRAPHITE

## Technical Data Sheet

LDI-NFG M100

### 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 on one pallet (1000 kg)

25 kg paper bags, 36 bags on one pallet (900 kg)

50 lbs paper bags, 40 bags on one pallet (2000 lbs)

1000 kg big bags, 1000 kg on one pallet

1134 kg big bags, 1134 kg on one pallet

#### Available Carbon Grades

From 94% to 97%

#### Northern Graphite Corporation

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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.

#### Guaranteed Values

Moisture: 0.5% max

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

#### Typical Values

##### Ash Analysis

SiO<sub>2</sub>: 41.6%

Fe<sub>2</sub>O<sub>3</sub>: 13.4%

Al<sub>2</sub>O<sub>3</sub>: 16.3%

CaO: 15.7%

MgO: 5.9%

K<sub>2</sub>O: 1.2%

Na<sub>2</sub>O: 1.1%

TiO<sub>2</sub>: 0.3%

MnO: 0.1%

P<sub>2</sub>O<sub>5</sub>: 0.1%

#### Particle Size Distribution (vibrated sieving)

+ 100 mesh (+150 μm): 7%

+ 200 mesh (+75 μm): 50%

+ 325 mesh (+45 μm): 25%

- 325 mesh (-45 μm): 18%