



### Natural Flake Graphite for Friction Applications

**Product Name: LDI-NFG 50X80FR**

#### 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%

#### Guaranteed Values

Bulk Density: 0.39 – 0.84 g/cm<sup>3</sup>

Moisture: 0.5% max

Cumulative +80 mesh: 80% min  
(+180 micron)

#### Typical Values

##### Ash Analysis

SiO<sub>2</sub> : 41.4%

Fe<sub>2</sub>O<sub>3</sub> : 14.6%

Al<sub>2</sub>O<sub>3</sub> : 14.6%

CaO: 16.0%

MgO: 6.7%

K<sub>2</sub>O: 1.7%

Na<sub>2</sub>O: 0.9%

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

MnO: 0.1%

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

#### Particle Size Distribution (vibrated sieving)

+ 50 mesh (+300 μm): 11%

+ 60 mesh (+250 μm): 32%

+ 80 mesh (+180 μm): 48%

+ 100 mesh (+150 μm): 7%

- 100 mesh (-150 μm): 2%

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