

# NITROGEN DOPED Graphene POWDER

## Quick Facts

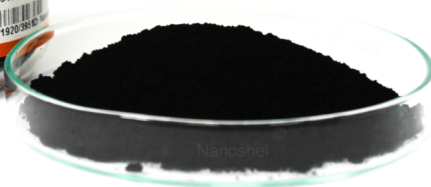
<b>Product</b>	:	Nitrogen Doped Graphene Powder
<b>Stock No</b>	:	NS6130-12-000618
<b>CAS</b>	:	7782-42-5
<b>Form</b>	:	Powder
<b>Purity</b>	:	99.9%
<b>Color</b>	:	Black
<b>Doping</b>	:	Nitrogen

The nitrogen (N) doping in graphene-based materials has been considered as an effective approach to improve the lithium storage performance of lithium-ion batteries. Thus, the studies of the influence of N-doped graphene from different precursors on lithium storage properties.

Doping of nitrogen in graphene can effectively modify its intrinsic optical and electrical properties, resulting in higher electrocatalytic activity and conductivity. Nitrogen-doped graphene materials possess excellent electrical conductivity of 35 S/cm, which is much higher than Pt/C cathodes.

## Applications

- ✓ Electro catalyst
- ✓ Field-effect transistors
- ✓ Sensors
- ✓ Lithium ion batteries
- ✓ Supercapacitors



**APS**  
1-5 $\mu$ m

**NS6130-12-000618**

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