



**Pt**

**Graphene**

Purity  
**99.9%**

**NANOCOMPOSITE**  
Dispersion

# Pt

## Graphene

### NANOCOMPOSITE

#### Dispersion



## APS

20-30nm  
(Pt)

## Pt-Graphene Nanocomposite Dispersion

Stock No : NS6130-12-001714  
Color : Black/Brown  
Purity : 99.9%  
Formula : Pt

## Applications:

- Environmental
- Textiles
- Agriculture
- Sensors
- Therapeutic
- Energy storage
- Sensors
- Super capacitors

## Technical Specification

Dispersing Agent	Storage Temp.	APS
Acetone	2-8°C	20-30nm

Metal nanoparticles and the combination of metal nanoparticles with graphene oxide are widely used in environmental, agriculture, textile, and therapeutic applications.

Graphene-based nanocomposites with metal nanoparticles show immense interest due to their extraordinary physical, chemical, and biological properties. The excellent properties of combination of graphene based materials and metal nanoparticles shows promising nanomaterial in many fields of application such as electronic-devices, sensors, nanocomposites, energy storage, and supercapacitors. Metal nanoparticles, such as silver and graphene oxide, exhibit significant antibacterial activity against Gram-negative and -positive bacteria and anticancer activity against human ovarian cancer cells and human neuroblastoma cancer cells. In particular, PtNPs are highly important metallic catalysts for many electrochemical reactions and used as sensors towards biological and drug molecules.