

# Advanced, Performance and Specialty Carbon and Graphite Materials.

Processed graphite and graphene additives

Processed graphite and graphene

Expanded Graphite

Customized Graphite

Micronized Graphite

High Purity Graphite 99.9% PURITY

**ANY GRADE - ANY APPLICATION**

- All our materials are custom processed per customer requirement and application
- All our materials advanced carbon materials, performance carbon materials, Specialty Carbon and Graphite Materials.
- All the materials are Imported and processed in **our USA plants** from 100% Sri Lankan / Ceylon vein Graphite and Inner Mongolia high quality Graphite

We have large USA stock for many grades of processed materials ready to ship as well as custom process / milled to a specific custom specification in 1-2 weeks.

**Processed graphite and graphene additives**

**Application:** Battery additives, ink and lubricant applications.

**Purity:** >99.7%C

Flake size: 4-10 micron,

Flake Size: 10-20 micron,

Flake Size: 20-30 micron,

## **Processed graphite and graphene**

**Application:** Thermal management, Thermal coating, Nuclear power plant, Automotive and Aerospace applications

**Purity:** >99.7%C

Flake size: 50-90 micron,

Flake size: 100-200 micron,

Flake size: 200-300 micron

Flake size: >300 micron

## **Expanded Graphite**

**Application:** Thermal management, Thermal coating, Fire protection, Composite, Automotive and Aerospace industry

**Carbon:** > 90%, **Oxygen:** >6%, **Nitrogen:** >2%, **S (in sulfate form):** 1%

Flake size: 50-90 micron,

Flake size: 100-200 micron,

Flake size: 200-300 micron

Flake size: >300 micron,

## **Processed Graphite (Graphene Oxide, GO):**

**Raw Material Source:** Highest quality vein graphite.

**Production process:** Eco-friendly low-cost proprietary graphite oxidation

**Flake size:** >20-micron, 20-50 microns, 60-100 micron, >150 micron

**Product customization available**

**Impurity level:** Can be purified to any application requirements

**Oxygen Content:** 20-50% (can be customized)

**Product Certificate of Analysis is Available**

**MSDS is Available**

**Product availability:** Powder, paste, dispersion

## **Processed Graphite (Reduced Graphene Oxide, RGO):**

**Raw Material Source:** Highest quality graphite.

**Production process:** Eco-friendly low-cost proprietary graphite oxidation/reduction

**Flake size:** >20 microns, 20-50 microns, 60-100 microns, >150 microns

**Product customization Available**

**Impurity level:** None

**Oxygen Content:** 1-4% (can be customized)

**Product Certificate of Analysis Available**

**MSDS Available**

**Product availability:** Powder, paste, dispersion

### **Processed Graphite (Expanded Graphite):**

**Raw Material Source:** Highest quality vein graphite.

**Production process:** Eco-friendly low-cost proprietary process

**Flake size:** >20 microns, 20-50 microns, 60-100 micron, >150 micron

**Product customization:** Can be done

**Impurity level:** 0.2-2% (can be customized)

**Product Certificate of Analysis:** Available

**MSDS paper:** Available

**Product availability:** Powder, paste and dispersion

### **Processed Graphite (Physically Exfoliated graphene, Electrochemically Exfoliated Graphene):**

**Raw Material Source:** Highest quality vein graphite.

**Production process:** Eco-friendly low-cost proprietary process

**Flake size:** >20 microns, 20-50 microns, 60-100 micron, >150 micron

**Product customization:** Can be done

**Impurity level:** 0.2-2% (can be customized)

**Product Certificate of Analysis:** Available

**MSDS paper:** Available

**Product availability:** Powder, paste and dispersion

## **Applications:**

- **Research and Development**
- **Construction Material**
- **Plastic and Polymer Composites**
- **Advanced Applications**
- **Oil and Lubrication**
- **Coatings and Paints**
- **Aerospace and Automobile**
- **Industrial**

## **Graphite Intercalation Compound (GIC) specific material development:**

- **Few layers graphene**
- **Graphene additives for Lead acid batteries (LAB) and Lithium ion batteries (LIB)**
- **Graphene Oxide (GO)**
- **Reduced Graphene Oxide (rGO)**
- **Physically Exfoliated Graphene (PEG)**
- **Customized Graphene based materials**
- **Expanded Graphite**
- **Micronized Graphite**
- **Customized Graphite products**