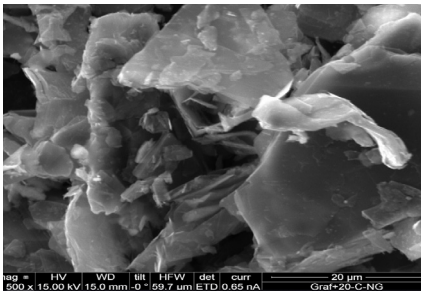


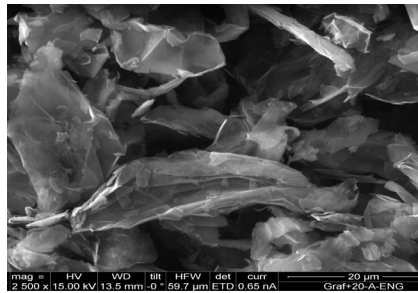
# Graf+® Graphite Powders

## Product Overview

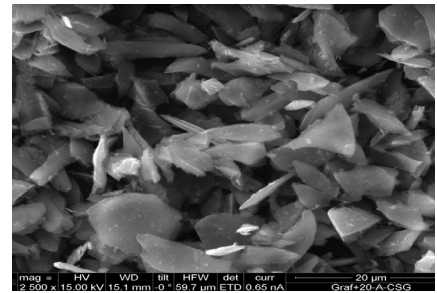
NeoGraf Solutions, LLC manufactures a variety of natural and synthetic graphite powders and nanoplatelets under our Graf+® trade name. Graphite can be added to a range of polymers to enhance thermal and electrical conductivity, reduce degradation to UV radiation, and increase insulation value in foams and boards. Graphite also is an excellent lubricant.



Natural Graphite Powder



Expanded Natural Graphite Powder



Coke-based Synthetic Graphite Powder

Our Graf+ powders are available in a range of particle sizes and purities depending on the end use application. Our graphite powders are available as dry powders or compounded with polymers as masterbatches. Specialty grease and lubricants formulations are also available.

NeoGraf Solutions also offers jet milling and graphitization services for a broad range of carbon and graphite-based materials.



Graphite Powders



Masterbatches



Specialty Greases and Lubricants

## Applications

Graphite powders and masterbatches are used in a broad range of applications including additives in batteries, foams, greases, extruded polystyrene insulation boards, fuel cells, paints, adhesives, chemical/mechanical polishing, coatings and roofing products. Primary markets are building and construction, energy storage, semiconductors, lubricants and coatings.

## Grade Designations

Graphite Powders:

Graf+ Particle Size D50 - Purity - Graphite Type

- Particle Size D50 varies from ~ 5µm to mm
- Purity available at 99.9+% Carbon (A), 98+% (B), 95+% (C), and < 95% (D)
- Graphite Type – Expanded Natural Graphite (ENG), Flake Natural Graphite (NG) or Coke-based Synthetic Graphite (CSG), Coke/Pitch-based Synthetic Graphite (CPSG), or Polyimide-based Synthetic Graphite (PISG)

Example:

Graf+ 20-C-ENG denotes D50 20 µm, Purity > 95+% Carbon, Expanded Natural Graphite Material

PURITY	NATURAL GRAPHITE		SYNTHETIC GRAPHITE		
	Flake Natural Graphite	Expanded Natural Graphite	Coke-Based	Coke/Pitch-based	Polyimide-based
A - 99.9%	✓	✓	✓	✓	✓
B - 98%+	✓	✓	✓	✓	
C - 95%+	✓	✓			
D - <95%	✓	✓			

NeoGraf can also provide Graf+ products compounded with polymers as a masterbatch. Common polymer resins include polystyrene (PS), Low-Density Polyethylene (LDPE), and Polyethylene Terephthalate (PET). Other polymer systems available upon request.

## Commitment to Excellence

Graf+® Graphite Powders are produced in North America and meet or exceed all environmental and quality standards in a sustainable manner.

- ✓ ISO 9001:2015
- ✓ ISO 14001:2015
- ✓ RoHS
- ✓ Conflict-Free Minerals

LEAD. CREATE. CONNECT.

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