JUXING CARBON 聚兴碳素

GPC Graphitized Petroleum Coke

GPC graphitized petroleum coke for high fixed carbon, low sulfur and stable particle size requirements.

Product specification sheet

Overview

GPC means graphitized petroleum coke. Related full graphitized and semi graphitized pages now point to this single product page.

Key specifications

Abbreviation	GPC
Full name	Graphitized Petroleum Coke
Note	Semi and full graphitized materials are handled under the GPC product structure

Applications

- Foundry carbon additive use
- Steel and metallurgy
- Low sulfur, high carbon material purchasing

RFQ checklist

- ☐ Product name
- ☐ Fixed carbon
- ☐ Sulfur
- ☐ Ash
- ☐ Moisture
- ☐ Volatile matter
- ☐ Particle size
- ☐ Quantity
- ☐ Packing
- ☐ Destination

Specification notes and batch confirmation

Product Content Overview

This page explains GPC / graphitized petroleum coke by common product name, specification fields, particle size, packing and application. Semi graphitized and fully graphitized routes are discussed under the GPC product family, with final supply confirmed by batch specifications and buyer requirements.

GPC Inquiry Focus

- Product name: GPC / Graphitized Petroleum Coke
- Key indexes: Fixed carbon, sulfur, ash, moisture, volatile matter
- Particle size: Discussed by application, such as 0-1 mm, 1-5 mm or other ranges
- Purchase data: Quantity, packing, destination, sample or batch test document request

GPC Specification Fields That Affect Procurement

- Fixed carbon: Common RFQs ask for 98.5% min, 99% min or a batch-confirmed value
- Sulfur: Low sulfur requirements such as 0.05% max are often important for foundry and steel use
- Nitrogen: Often requested as 300 ppm / 500 ppm or according to casting requirements
- Ash and volatile matter: Used to evaluate impurity input and material stability
- Moisture: Important for packing, storage and feeding consistency

Typical GPC Range for Batch Discussion

The following values are used as buyer-facing typical ranges for specification communication. Final supply should always be c onfirmed by available batch COA, particle size and application.

- Fixed carbon: Typical 98-98.5% or 98.5% min, subject to batch confirmation
- Sulfur: Typical 0.01-0.05%, 0.1-0.3% or 0.35-0.5% routes can be discussed by application
- Ash: Typical 0.2-1.0%, depending on graphitization route and batch
- Volatile matter: Typical 0.5-0.8%
- Moisture: Typical 0.5% max for packed material discussion
- Particle size: 0-5 mm, 1-5 mm, 0-10 mm or screened size by buyer requirement

Graphitized Recarburizer Use Cases

- Steel and foundry carbon recovery: GPC can be discussed as a graphitized carbon source for steelmaking, foundry and induc tion furnace carbon adjustment when low ash, sulfur and moisture are required.
- Mechanical and chemical applications: Some buyers also review graphitized carbon materials for reducing agent, lubricant, r efractory, stabilizer or other industrial use, with final suitability confirmed by specs.
- Battery and deep processing reference: When a buyer mentions negative material or deep-processing use, the inquiry should add ash, sulfur, moisture, particle size and source-route checks before quotation.

Application and Size Selection

- Foundry and induction furnace: Buyers usually compare fixed carbon, low sulfur, nitrogen and particle size such as 1-3 mm or 1-5 mm for absorption stability.
- Steelmaking carbon adjustment: The inquiry should connect target carbon addition, particle size, feeding method and batch COA.
- Fine size and loss control: Finer sizes may dissolve faster, but fines ratio, dust, oxidation loss and packing condition should be confirmed.

COA and Storage Notes

GPC should be discussed by batch-specific COA. Buyers normally check fixed carbon, sulfur, nitrogen, ash, volatile matter, moisture and particle size distribution. Covered dry storage helps avoid moisture pickup and particle segregation before use.

FAQ

Q: How should semi graphitized petroleum coke be discussed?

A: Semi graphitized and fully graphitized routes can be discussed under the GPC product family. Buyers should provide fixed carbon , sulfur, particle size, quantity, packing and application.

Q: What information is most important for a GPC quote?

A: Fixed carbon, sulfur, particle size, quantity, packing and destination should be provided before a practical quotation.