FERROSILICON.CO

Graphitized Petroleum Coke (GPC Fines)

Low Sulfur – High Carbon – Steelmaking Grade

Product Overview

Graphitized Petroleum Coke (GPC Fines) is a high-purity recarburizer produced through controlled high-temperature graphitization of selected petroleum coke. With ultra-low sulfur, high fixed carbon, and stable metallurgical performance, it is widely used in steelmaking, foundry operations, and other industrial processes requiring clean, efficient carbon recovery.

FERROSILICON.CO supplies GPC directly from production sources with strict quality control, ensuring consistent chemistry, reliable PSD, and strong price competitiveness across the Eurasian market.

Chemical Analysis (COA – April 23, 2025)

Parameter	Typical Value	Unit
Fixed Carbon	99.25	%
Moisture	0.41	%
Sulfur (S)	0.03	%
Ash	0.35	%
Volatile Matter	0.40	%
Nitrogen (N)	0.03	%
Particle Size	1–5 mm	(Fines / Recarburizer Grade)

These values represent typical production results and may slightly vary within controlled tolerances.

Key Technical Advantages

- Ultra-low Sulfur: Ideal for manufacturing high-grade, low-sulfur steels, meeting stringent international specifications.
- High Carbon Recovery: The graphitized structure ensures superior melting characteristics, leading to excellent carbon pickup efficiency during the refining process.
- Low Contaminants: Minimal ash and nitrogen content prevent degradation of final steel quality and reduce slag volume.
- Stable Performance: Consistent Particle Size Distribution (PSD) ensures predictable dissolution rates and furnace charge homogeneity.
- Broad Applicability: Optimized for use in Electric Arc Furnaces (EAF), Ladle Furnaces (IF), and various types of gray/ductile iron foundry operations.

Applications

GPC Fines are specifically engineered for applications where precise carbon addition and minimal impurity introduction are critical:

1. Steelmaking Carbon Raiser: Primary use as a high-efficiency recarburizer in primary and secondary steelmaking.
2. Induction Furnace Operations: Reliable carbon adjustment in medium-to-high frequency induction melting systems.
3. Cast Iron Foundries: Used to control carbon equivalents and improve metallurgical structure in ductile and malleable iron production.
4. Metallurgical Additives: Employed in various reduction processes where a high-purity carbon source is mandated.

Packaging Options

FERROSILICON.CO offers flexible packaging solutions tailored to bulk handling requirements and site storage capacities:

- 1 MT jumbo bags (Bulk bags)
- 1.2 MT jumbo bags

- 25 kg paper bags (Palletized)
- Bulk loading directly into specialized rail cars or standard shipping containers upon specific request and arrangement.

Indicative Price Range (Non-Binding)

USD 480 – 750 per MT

Prices are indicative only, dependent upon confirmed sulfur specification, precise size fraction requirements, requested packaging, and total shipment volume. This range serves purely for market insight and does not constitute a formal commercial offer.

Logistics & Market Focus

FERROSILICON.CO leverages strategic sourcing and logistics expertise to maintain supply chain resilience:

- Primary Distribution Corridors: Strong focus on facilitating trade across Eurasia, Central Asia, and established Middle East access routes.
- Handling Efficiency: Optimized for seamless transfer between production facilities and standard ISO container dimensions.
- Supply Reliability: Commitment to reliable shipment scheduling, coordinating directly with producer loading facilities to minimize lead times.

About FERROSILICON.CO

FERROSILICON.CO is an established, professional supplier specializing in critical metallurgical raw materials. We serve integrated steel mills, specialized foundries, and industrial buyers throughout the Eurasian economic zone. Our core product portfolio includes high-grade Ferro Silicon, fine-grade Ferro Silicon Powder, Graphitized Petroleum Coke (GPC), and other essential carbon and alloying materials.

Disclaimer

All technical specifications and chemical analysis data presented herein are based on recent, verifiable production samples. This datasheet is strictly non-contractual and is provided solely for informational reference and preliminary market analysis purposes. Buyers must confirm specifications prior to placing a formal purchase order.