

Product Data Sheet

Graphitized Petroleum Coke (GPC) — Premium Grade

Description

Description	Premium grade graphitized petroleum coke (GPC) is a high-purity carbon raiser / recarburiser produced by high-temperature graphitization of petroleum coke. With fixed carbon min. 99.5%, ultra-low sulphur and nitrogen, and high graphitization degree, it is ideal for ductile iron and special steel where the lowest impurities are required.
Applications	Used as a recarburiser in ductile iron and special / high-quality steel production.
Used In	Ductile iron, special steel

Key Benefits

- Highest purity – fixed carbon min. 99.5%
- Ultra-low sulphur (0.03%) and nitrogen (0.010%)
- High graphitization degree (≥98%)
- High absorption rate (93–95%)
- Ideal for ductile iron and special steel

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Fixed Carbon (F.C.)	Min. 99.5%
Sulphur (S)	Max. 0.03%
Nitrogen (N)	Max. 0.010%
Ash	Max. 0.3%
Volatile Matter (VM)	Max. 0.3%
Moisture	Max. 0.3%

Physical Properties

Property	Specification
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Graphitization Degree	≥ 98%
Absorption Rate	93 – 95%
Bulk Density	0.78 – 0.85 g/cc
Form	Granular / sized (to spec)
Primary Use	Ductile iron, special steel

* Typical values; lot-dependent. Test methods available upon request.

Packaging

- 25 kg / 50 kg PP / HDPE woven bags
- 1 MT / 1.25 MT Jumbo Bags (FIBC)
- Loose in bulk for large industrial / export orders
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area protected from moisture
- Keep away from ignition sources and strong oxidisers
- Avoid dust generation; provide adequate ventilation
- Handle with appropriate PPE to control dust

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Specifications vary by lot; figures are typical values. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications.