

**Product:** *Graphite Powder*

**Origin:** DPR. of Korea

No	Product Description	Fixed Carbon	Ash	Volatile	Moisture	Sulphur Content	Particle Size
1	<b>Fine Powder Graphite</b>	more than 99%	less than 0.7%	less than 0.3%	less than 1%	less than 0.0001%	max. D. 40µm, ave. D. 20µm
2	<b>High Purity Graphite</b>	more than 99%	less than 0.6%	less than 0.4%	less than 1%	less than 0.0001%	⊕ 150µm

*The above specifications can be adjusted according to the customer requirements.*

**Recommended Use:**

1. Fine Powder Graphite:

- Lubricants, releasing agents for surfactans for forging
- Lubricants, releasing agents for die-casting
- Conductive inks and pastes
- Filling material for rubber industry

2. High Purity Graphite:

- Graphite powder for pencil lead,
- Metallurgy powder,
- Armature brush, battery, anti-frictions,
- Gaskets
- Acidic iron works processing

**Product:** *Graphite Brush Plates (Blocks)*

**Origin:** DPR. of Korea

No	Material Type	Quality Grade	Dimensions LxWxT (mm)	Bulk Density (g/cm <sup>3</sup> )	Electric Resistivity (μOm)	Bending Strength (MPa)	Hardness H.S.	Coefficient of friction (μ)	Contact Drop (V)	Surface Speed (m/s)	Current Density (A/cm <sup>3</sup> )
1	Resin-bonded graphite	S184	70x90x15	1.45~1.55	2500~3000	16~20	12~20	Max 0.2	Min 3V	45	10
2	Graphite	S121	-	1.5~1.6	130~230	15~25	19~26	Max 0.2	2~3V	30	12
3	Metal graphite	S191	110x130x30	4.4~4.9	0.2~0.5	29~32	10~13	Max 0.2	Max. 0.5	25	20
4	Natural graphite	S113	200x140x42	1.2~1.3	18~26	4~9	16	0.14~0.2	2~3V	80	8
5	Natural graphite	S100	200x140x33 200x140x40	1.25~1.35	8~15	6~15	12~16	Max 0.3	1.5~3	80	8
6	Natural graphite	SGR-8	130x110x40 130x140x65 200x140x65	1.25~1.35	6~9	8~12	-	-	-	90	12

*The above graphite brush plates can be delivered in different dimensions according to customer requirements*

**Recommended Use:**

- S184: Vacuum cleaners of about 35,000 rpm, electric motors (excellent commutating capability)
- S121: F.H.P commutator motors, electric hand tools (excellent commutating capability and resistance to wearing –off)
- S191: Automobile starters, low voltage generators, contacts
- S113: For manufacturing of brushes for high power A.C. electric motor or turbo-generator with slip rings.
- S100: For manufacturing of brushes for high power A.C. electric motor or turbo-generator with slip rings.
- SGR-8: For manufacturing of brushes for high power A.C. electric motor or turbo-generator with slip rings.  
Very low resistivity and longer life (2~4 times longer) than metal-graphite brushes (cost-effective, excellent performance)