

DETAILED STRUCTURAL GRAPHITE

Mainly apply to the field such as graphite anode, graphite mould process and graphite pallet etc., have the characteristics of more little aprticle, lower specific resistance, high density and dense even structure.

Type	Max Size mm	Bulk Density g/cm3	Specific Electrical Resistance $\mu\Omega\text{m}$	Bending Pressure Strength Mpa	Elastic Modulus Gpa	Coefficient Of Thermal Expansion $10^{-6}/^{\circ}\text{C}$	Ash %
FXG-1	0.8	1.68 min	7.8 max	19 min	9.3 max	2.9 max	0.3 max
FXG-2	0.8	1.72 min	7.5 max	22 min	9.3 max	2.9 max	0.3 max

Size:

Block: 400 x 400 x 1800mm 500 x 500 x 1800mm

540 x 450 x 2150mm 540 x 350 x 2600mm

Plate: 1 x 24 x 72", 2.25 x 12.625 x 72", 2x 12.375 x 72", 2 x 14.4375 x 72", etc.

Extruded rods: Dia.6", 8", 10", 12", 14, 16"

STOVE HEAD ELECTRODE

Stove head electrode is mainly used in electrode graphitization furnace, carborundum melting stove, our products have the characters as low resistivity, high density, good performance of electric and thermal conduction, and good anti-oxidant; especially our 630 x 630 x 2200 mm stove head electrode used in longitudinal graphitization furnace has finished the history that can't be produced at home.

Index of stove head electrode

Type	Bulk Density g/cm ³	Max Size mm	Specific Electrical Resistance $\mu\Omega\text{m}$	Bending Pressure Strength Mpa	Elastic Modulus Gpa	Coefficient Of Thermal Expansion $10^{-6}/^{\circ}\text{C}$	Ash %
FCP	1.58 min	2.0	10.5 max	18 min	9.3 max	2.9 max	0.3 max
FCG-1	1.68 min	2.0	8.5 max	21 min	9.3 max	2.9 max	0.3 max

SPECS: 400x400x1850mm

500x500x1950mm

630x630x2200mm

We can also receive the orders for special shaped products.

SPECIAL-PURPOSE GRAPHITE CHEMICAL INDUSTRY EQUIPMENT

This product mainly applies to produce the equipments used in the graphite chemical industry such as graphite heat exchanger and synthesis converter, it has good advantages in heat conduction and corrosionresistant. The main specification has (Dia.720-Dia.1300) x 350mm grades. The special specification can be made to order and processed.

Special-purpose graphite index of the chemical industry equipment.

Item	Unit	Index
Bulk Density	g/cm ³	1.58 min
Max size	mm	0.8/2.0
Specific Electrical	μΩm	10.5 max
Bending Pressure Strength	MPa	18 min
Elastic Modulus	GPa	9.3 max
Coefficient Of Thermal Expansion	10 ⁻⁶ /°C	2.9 max
Ash	%	0.3 max

SPECS: 400 x 400 x 1850mm 500 x 500 x 1950mm
Dia. 720 x 350mm Dia. 1020 x 350mm
Dia. 820 x 350mm Dia. 1200 x 350mm
Dia. 920 x 350mm Dia. 1300 x 350mm

Index Of Isostatic Graphite

Index Produce No.	Bulk Density g/cm ³ min.	Electric Conductivity μΩm	Compressive Strength Mpa	Flexural Strength Mpa	Shore Hardness	Ash Content PPM	Average Granularity μm	Coefficient Modulus Gpa	Young's Modulus Gpa	Applications
CDI-1A	1.85	11-13	80	40	55	500	25	4.5	11.5	Semiconductor(Monocrystalline Silicon), Pottery Sinter, Vacuum Furnace, Electronic Products Sinter, Continuous Casting.
CDI-1B	1.80	11-13	75	37	50	500	25	4.4	10.0	Semiconductor(Monocrystalline Silicon), Pottery Sinter, Vacuum Furnace, Electronic Products Sinter, Continuous Casting.
CDI-2S	1.70	15	45	23	45	700	25	3.8	9.5	Cemented Carbide Sinter, Graphite Moulds, etc.
CDI-3S	1.75	15	55	25	50	700	25	4.0	10.5	Cemented Carbide Sinter, Graphite Moulds Continuous Casting, etc.
CDI-4S	1.80	15	65	33	50	700	25	4.5	11.5	Cemented Carbide Sinter, Vacuum Furnace, Diamond Sinter, Precious Metals Smelting, Sealing Products, etc.

CDI-5L	1.85	15	80	40	55	700	25	4.6	11.5	Kinds of Graphite Moulds in Continuous Casting, Space, Medical Industry, Precious Metals Smelting, Glass, Electronic Industry, etc.
CDI-6L	1.75	15	55	27	50	700	25	4.0	10.5	Kinds of Graphite Moulds in Continuous Casting, Precious Metals Smelting, Glass, Electronic Industry, etc.
CDI-7L	1.70	15	50	25	48	700	25	3.5	9.5	Common Continuous Casting and Moulds
CDI-8L	1.80	15	65	33	50	700	25	4.5	11.5	Kinds of Graphite Moulds in Continuous Casting, Precious Metals Smelting, Glass, Electronic Industry, etc.
EDM-I 1	1.70	15	55	28	50	1000	22	3.2	9.5	Die Casting Moulds, Plastic Moulds, Forge Moulds EDM.
EDM-I 2	1.75	15	70	35	55	1000	22	4.0	10.5	Die Casting Moulds, Plastic Moulds, Forge Moulds EDM.
EDM-I 3	1.80	15	65	33	55	1000	25	4.5	11.5	Die Casting Moulds, Plastic Moulds, Forge Moulds EDM.
EDM-I 4	1.80	15	80	40	60	1000	21	4.6	11.5	Die Casting Moulds, Plastic Moulds, Forge Moulds EDM.

Circular Size: Dia. 350x450mm, Dia. 400x450mm, Dia. 450x450mm, Dia. 500x450mm, Dia. 585x600mm

Rectangle Size: 400x400x400mm, 400x400x500mm, 400x400x600mm, 900x540x260mm

Note: Above usages are only reference for you. Various specification and properties of Isostatic Graphite can be produced according to customer's requirements.