

MEDIUM COARSE GRAPHITE



Description

The max grain size of medium & fine-grain special graphite is 2.0mm, 1.0mm, 0.8mm, 0.5mm, etc., with special production technology, after multiple impregnation and baking, graphitization treatment, it has high strength, good electrical and thermal conductivity and other excellent characteristics. At high temperature state, it has excellent physical and chemical properties, which can be used to produce graphite crucible for high temperature smelting, heating body of vacuum furnace and high frequency electric furnace, graphite vessel for smelting pure metal, mechanical bearing, sealing ring, piston ring and anti-corrosion equipment of chemical industry.

Technical Specification of Medium coarse graphite

Properties	Unit	ZC-YT		ZB-YT		ZA-YT		ZXB-YT	
		Guarantee Value	Typical Value	Guarantee Value	Typical Value	Guarantee Value	Typical Value	Guarantee Value	Typical Value
Max Grain Size	mm	2.0	2.0	1.0	1.0	0.8	0.8	0.5	0.5
Buk Density	g/cm ³	≥1.71	1.73	≥1.72	1.74	≥1.73	1.75	≥1.73	1.75
Spedific Resistance	μΩm	≤9.8	8.7	≤9.5	8.4	≤9.5	8.4	≤9.5	8.3
Foral Sltrorgfh	MPa	≥13.5	16	≥14.5	17	≥15	18	≥16	19
Compresswe Srenqth	MPa	≥28	33	≥30	35	≥31	37	≥32	39
Hardness	Rockwell	≥65	70	≥67	72	≥69	74	≥70	76
CTE(100600°C)	10*°C	≤3.4	2.4	3.4	2.4	≤3.4	2.4	≤3.4	2.4
Termal Conductivty	w/m.k	≥120	138	≥125	144	≥125	144	≥128	149
Ash Conlent	%	≤0.2	0.1	≤0.2	0.1	≤0.2	0.1	≤0.2	0.1

Dimension of Round Medium coarse graphite

Nominal Diameter(mm)	Actual Diameter(mm)	Length(mm)
200	204-208	1800-2200
250	254-258	1800-2200
300	305-309	1800-2200

Dimension of Round Medium coarse graphite

Nominal Diameter(mm)	Actual Diameter(mm)	Length(mm)
350	355-359	1800-2850
400	406-410	1800-2850
450	458-462	1800-2850
500	508-512	1800-3200
600	610-614	1800-3200
650	661-665	1800-3200
700	712-716	1800-3200
750	762-766	1800-3200
800*	813-817	1800-3200

Dimension of Square Medium coarse graphite

Width(mm)	Thickness(mm)	Length(mm)
370	370	1800-2450
420	420	1800-2450
530	530	1800-3200
630	630	1800-3200
478	430-640	2300/2800/3200/3750/4200
686	380-840	2300/2800/3200/3750/4200
636	320-640	2300/2800/3200
745	375-745	2300/2800/3200/3750/4200
810*	810	1800-3200
840*	490-840	2300/2800/3200/3750/4200
924*	490-840	2300/2800/3200/3750/4200

