

Graphite parts for ingot growing furnace

Isotropic Graphite

Standard Grade	Specific Gravity (g/cm ³)	Electrical Resistivity (μΩm)	Young's Module (Gpa)	Flexural Strength (Mpa)	Tensile Strength (Mpa)	Shore Hardness	Thermal Expansion (x10 ⁻⁶ /°C)	Thermal conductivity (W/mK)	Ash content (ppm)
G330	1.79	13~16	9.8	39.2	25.5	56	4.8	104	30
G347	1.85	10~13	10.8	49	31.4	58	5.5	116	30
G458	1.86	9.5	11.3	53.9	35.3	54	4.4	139	30

Note : G330 is suitable for heaters

G347 is suitable for crucible support plate, rod and graphite boat for PECVD

G458 is suitable for graphite crucible

C/C composite

Standard Grade	Specific Gravity (g/cm ³)	Electrical Resistivity (μΩm)	Tensile Strength (Mpa)	Flexural Strength (Mpa)	Thermal Expansion (x10 ⁻⁶ /°C)	Thermal conductivity (W/mK)
CC26NF	1.4	28	100	100	0.8(//)	2.6(⊥)
CC27NF	1.62	22	150	170	0.8(//)	8(⊥)
CC28NF	1.48	26	100	140	0.8(//)	2.8(⊥)