

ISOTROPIC GRAPHITE: Typical properties

Grade	特性			
	Specific Gravity	Specific Resistivity $\mu\Omega\text{m}$	Flexural Strength MPa	Tensile Strength MPa
G250※	1.70	12.0	39.2	25.5
G330	1.79	13.0	39.2	25.5
G347	1.85	11.0	49.0	31.4
G348	1.92	10.0	63.7	41.2
G458	1.86	9.5	53.9	35.3
G520	1.83	12.0	56.8	36.3
G530	1.82	13.0	61.7	40.2
G535	1.82	17.0	63.7	41.2
G540	1.85	15.0	88.2	53.9
G077	1.82	12.0	70.0	

Grade	特性			
	Shore Hardness	Young's Modulus GPa	Thermal Conductivity W/m · K	Coefficient Thermal Expansion $\times 10^{-6}/^{\circ}\text{C}$ ※
G250※	46	9.8	108	4.8
G330	56	9.8	104	4.8
G347	58	10.8	116	5.5
G348	68	12.3	128	5.5
G458	54	11.3	139	4.4
G520	62	10.8	116	5.5
G530	64	11.3	104	5.5
G535	72	10.8	81	5.5
G540	78	13.7	93	5.5
G077	66	11	100	7.1

G250 : Make-to-order product

These properties are typical value and not guaranteed.

All properties measured at room temperature except for C.T.E (RT - 1000°C)

1GPa=10200kgf/cm²

1MPa=10.2kgf/cm²

1W/m · K=0.86^kcal/cm · h · °C

HK材:各品種の代表特性値

Grade	特性				
	Specific Gravity	Specific Resistivity $\mu\Omega\text{m}$	Flexural Strength MPa	Shore Hardness	Average Grain Size μm
HK0	1.80	12.0	39.2	56	13
HK1	1.85	11.0	50.0	58	11
HK15	1.83	12.5	53.9	62	7
HK2	1.82	13.5	63.7	64	7
HK75	1.82	16.5	65.7	72	4
HK3	1.84	15.5	88.2	78	2
HK6	1.86	12.0	85.0	68	3