

Grade	Composition	Bulk Density	Hardness	Flexural Strength		Compressive Strength		Modulus of Elasticity		Coefficient of Thermal Expansion	Thermal Durability
		g/cm3	Shore D	Mpa	kgf/cm2	Mpa	kgf/cm3	Gpa	kgf/cm2	(C.T.E.) 10-6/degreeC	Degrees C
IG-11	} Graphite (Anti-Blistering)	1.77	55	39.2	400	78.4	800	9.8	1000	4.6	450
ISEM8		1.77	65	49	500	107.8	1100	10.1	1030	5.5	450
KC878		1.93	105	98	1000	225.4	2300	16.7	1700	5.5	400
KC17	} Carbon Graphite	1.77	70	58.8	600	166.6	1700	13.7	1400	3.5	350
KC40K		1.68	70	49	500	127.4	1300	14.7	1500	3.0	350
KC57		1.78	105	68.6	700	264.6	2700	18.6	1900	4.0	350
KC67		1.76	70	55.9	570	184.2	1880	19.6	2000	3.5	350
IKC83K		1.82	75	53.9	550	151.9	1550	13.7	1400	4.0	350
KC170	} Resin Impregnated (Secondary Resin Impreg)	1.82	80	68.6	700	191.9	1950	16.7	1700	4.0	300
KC360		1.78	75	58.8	600	166.6	1700	16.7	1700	4.0	300
KC573		1.85	110	83.3	850	372.4	3800	20.6	2100	5.0	200
KC673		1.86	85	78.4	800	245	2500	22	2240	6.0	200
IKC830K		1.82	90	63.7	650	196	2000	15.7	1600	5.0	250
KC180S		1.78	75	58.8	600	171.5	1750	16.7	1700	4.0	300
GB210	} 10% Boron by Mass Metal Impreg	1.85	60	70	715	120	1225	20	2040	4.6	1000
KC5709		2.26	110	98	1000	421.4	4300	29.4	3000	5.5	350
KC6707		2.35	80	72.5	740	240	2450	25	2550	5.0	250
KC6709		2.3	88	90	920	300	3060	27	2750	5.0	500
IKC8809		2.57	80	108	1100	255	2600	20.5	2100	6.8	450
IG-43R1	} Salt Impregnation	1.86	55	62	630	90	920	13	1320	5.0	750
IKC63R1		1.88	85	80	815	210	2140	-	-	5.0	750
TS003	} Siliconated Graphite SiC/C Layer/Substrate	2.05/1.82	80/80	110/76	1120/775	280/172	2850/1760	30/13	3060/1320	5.0/5.2	400
TS004		2.10/1.95	80/90	110/90	1120/920	280/230	2860/2350	30/15	3060/1530	5.5/7.5	200
MR10	Carbon Fibre Graphite Composite	1.43	78	100	1020	230	2350	-	-	35	220