



Carbon & Graphite Solutions



Typical Properties of Isotropic Graphite: "G" Series

Grade	Density	Electrical Resistivity	Coefficient of Thermal Expansion (CTE)	Thermal Conductivity	Shore Hardness	Flexural Strength	Compressive Strength	Tensile Strength	Youngs Modulus	Standard Sizes
	g/cm ³	μohm-m	x 10 ⁻⁶ /°C	Kcal/m-hr-°C	Shore	Mpa (=N/mm ²)	Mpa (=N/mm ²)	Mpa (=N/mm ²)	Gpa (=kN/mm ²)	(in)
G250	1.70	10.0	3.5	110	46	39.2	72.5	25.5	9.8	12 X 24 X 48
G330	1.79	14.0	4.8	104	56	39.2	78.4	25.5	9.8	12 X 24 X 48 13.9 X 24 X 84 11.8 X 57 X 59 Ø 21 * 37 Ø 36 * X 12
G347	1.85	11.0	5.5	116	58	49.0	98.0	31.4	10.8	12 X 24 X 48 9 X 40 X 40 12 X 47 X 47 Ø 15.75 * X 38
G347B	1.99	11.0	6	117	76	66.6	123.8	43.3	14.0	1.75 X 22 X 22
G348	1.92	10.0	5.5	110.1	68	63.7	117.9	41.4	12.3	10 X 15 X 39 6 X 15 X 70 7 X 77 X 31
G520	1.83	12.0	5.5	99.7	62	56.8	105.1	36.9	10.8	12 X 24 X 24 9 X 18 X 48 12 X 24 X 48
G530	1.82	13.0	5.5	89.4	64	61.7	114.1	40.1	11.3	12 X 24 X 24 9 X 18 X 48
G535	1.82	17.0	5.5	69.6	72	63.7	117.8	41.4	10.8	12 X 24 X 24 9 X 18 X 48 10 X 15 X 39
G540	1.85	15.0	5.5	80	80	88.2	163.2	57.3	13.7	4 X 18 X 36
G077	1.82	12.0	7.1	86	66	70.0	129.5	45.52	11.0	4 X 12 X 18

* Non-Standard sizes may also be available upon request. Please check with your salesperson.

* Post Purification to < 5ppm and / or chemical coating on machined components is available.



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