

Technical Data

Fine Grained Graphite

Extract from the Olmec programme of moulded grades



Grade	Bulk Density (g/cm ³)	Porosity (%)	Spec. el. Resistance (Ω mm ² /m)	Compressive Strength (N/mm ²)	Bending Strength (N/mm ²)	Hardness Shore (°S)	Ash Content (%)	Thermal Expansion Coefficient (10 ⁻⁶ /K)	Average Particle Size (μ m)	Thermal Conductivity (W/m K)	Suitable for EDM x/✓	Applications Guide
Y613	1.76	14	14 - 20	60	28	43	<0.1	3.5 -4,5	25	90	x	Small diameter components for crucibles, furnace parts, ceramics and electronics industries
Y597	1.75	16	14 - 20	53	24	40	<0.1	3.5 -4,5	25	100	x	Precious metal and sintering trays, glass and ceramics industries
Y580T	1.83	10	32 - 38	125	42	72	<0.5	4.5 - 5	25	50	x	Seals, mechanical bearings, small diameter glass components
Y583	1.75	15	13 - 20	57	25	42	<0.1	3.5 -4,5	25	95	x	Quartz glass, crucibles, dies
Y583D	1.84	11	12 - 16	68	35	47	<0.1	4 - 5	25	110	x	Quartz glass, crucibles, dies
Y460B*	1.8	13	16 - 18	86	40	50	<0.15	3.5	20	80	✓ R	Moulds, continuous casting, bearings, metal smelting, glass industry, ceramic industry, electronics industry, EDM roughing
Y464B*	1.83	11	10 - 12	90	50	55	<0.1	4.8	10	105	✓ F	Die casting moulds, plastic moulds, forge moulds, electrodes for EDM finishing
Y459*	1.85	10	11 - 13	90	45	60	<0.05	4.7	20	90	✓ R	Semi conductors, crucibles, mechanical seals, rocket Nozzles, EDM roughing

*EDM Grades:

R=Suitable for EDM Roughing - F=Suitable for EDM Finishing

Further grades, special dimensions and special impregnations on demand!
All values are average values / typical ranges & subject to change without notification.

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