



## Technical Data - Fine Grained Graphite

If you require any further assistance or require other grades please call our sales team on 01142 236 1606.

Grade	Bulk Density (g/cm <sup>3</sup> )	Porosity (%)	Spec. el. Resistance ( $\Omega$ mm <sup>2</sup> /m)	Compressive Strength (N/mm <sup>2</sup> )	Bending Strength (N/mm <sup>2</sup> )	Hardness Shore (°S)	Ash Content (%)	Thermal Expansion Coefficient (10 <sup>-6</sup> /K)	Average Particle Size ( $\mu$ m)	Thermal Conductivity (W/m K)	Suitable for EDM	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	25	80	Suitable for EDM Roughing	Moulds, continuous casting, bearings, metal smelting, glass industry, ceramic industry, electronics industry, EDM roughing
Y464B	1.80	13	14	92	46	65	<0.05	4.6	7	98	Suitable for EDM Finishing	Die casting moulds, plastic moulds, forge moulds, electrodes for EDM finishing
Y459	1.85	10	11 - 13	90	40	60	<0.05	4.7	20	90	Suitable for EDM Roughing	Semi conductors, crucibles, mechanical seals, rocket Nozzles, EDM (Spark Erosion) roughing
Y444	1.78	11	14	110	52	66	<0.05	4.6	7	90	Suitable for EDM Finishing	Moulds, continuous casting, bearings, metal smelting, glass industry, ceramic industry, electronics industry, EDM roughing

### Head Quarters:

Olmec Advanced Materials Ltd/Surelight  
Unit 37, Venture One Business Park, Long Acre Close,  
Holbrook Industrial Estate, Sheffield, S20 3FR

**Telephone:** +44 (0) 1142 361 606  
**Opening Hours:** 09.00 - 17.00 Mon - Fri  
**GB Co Reg. No.** 247 6257  
**GB VAT No.** 570 6797 06