

# Technical Data

## Medium Grained Graphite

Extract from the Olmec programme of extruded grades

**OLMEC**  
ADVANCED MATERIALS



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> )	Ash Content (%)	Thermal Expansion Coefficient (10 <sup>-6</sup> /K)	Thermal Conductivity (W/m K)	Max. Grain Size (mm)	Standard Sizes (mm)
MCCA	1.78 - 1.82	11 - 14	6 - 8	60	38 - 42	<0.1	2.0 - 2.5	120 - 140	0.35	Ø 3 .. 9
MCCA	1.76 - 1.80	12 - 15	6 - 8	35 - 40	20 - 25	<0.1	1.8 - 2.5	120 - 140	0.6	Ø 10 .. 25
MCCA	1.72 - 1.75	14 - 17	6 - 8	30 - 40	20 - 25	<0.1	1.8 - 2.5	120 - 140	0.6	Ø 30 .. 105
MCCA	1.70 - 1.73	16 - 19	6 - 8	26 - 32	17 - 20	<0.1	1.6 - 2.2	120 - 140	0.8	Ø 110 .. 700
MCCA	1.66 - 1.73	18 - 20	5 - 8	22 - 28	16 - 19	<0.1	1.6 - 2.2	120 - 140	0.8	Plates**
MRCM	1.76 - 1.80	12 - 15	4 - 5	50	25	<0.25	1.3 - 1.6	150 - 180	2	Ø 200 .. 300
VDN	1.67 - 1.73	17 - 20	5 - 7	23 - 28	10 - 14	<0.8	1.5 - 2.0	130 - 150	10 - 20	Ø 300 .. 600

\* In direction of extrusion

\*\* Sizes in mm: 108 x 495 x 1100, 1800; 140 x 428 x 1100;  
120 x 330 x 1100; 170 x 375 x 1100  
400 x 400 x 1800 500 x 500 x 1800  
other sizes and lengths on demand

All values are average values / typical ranges

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