

# Isostatic Fine Grained Graphites



## Technical Data

Olmec's range of isostatically moulded fine grained graphites are suited to a wide range of applications and hi-tech industries. Having been supplying the carbon and graphite fields for over four decades we have a wealth of knowledge to help ensure you are using the most suitable material for your application.

Industries using these graphite's include semi-conductors, energy storage and production, aerospace, particle physics, the optical sector from quartz glass to optical fibres, air bearing and seal applications and many more.

The isotropic properties allow more simple design and use of these grades providing both reliable and homogeneous properties.

With an ability to operate up to temperatures approaching 2000C, with a tiny variation in size because of the very low CTE and excellent shock resistance you can be confident in the use of the isotropic graphites for your application.

We offer purified options and super-fine materials.

If you require more information or assistance with selecting the appropriate grade for your processes, please don't hesitate to contact us at [info@olmec.co.uk](mailto:info@olmec.co.uk).

Grade	Flexural Strength	Compressive Strength	Youngs Modulus	Density	Porosity	Shore Hardness	Coefficient of Thermal Expansion	Thermal Conductivity	Ash Content	Particle Size
Units	MPa	MPa	GPa	g/cm <sup>3</sup>	%	D-scale	10 <sup>-6</sup> / °C	W/m.K	ppm	µm
Y441	38	80	8.8	1.68	18	60	5.8	90	500/50	15
Y595	48	100	11	1.85	11	65	4.2	125	500/50	12
Y472	51	115	11	1.85	12	65	5.6	115	500/50	10
Y444	52	110	12	1.78	11	66	5.0	82	500/50	10
Y552	60	135	12	1.91	11	90	5.8	115	500/50	8
Y454	65	135	11	1.80	11	75	5.4	85	500/50	5
Y780	75	150	14	1.90	5	90	6.5	85	300/50	3
Y450	80	160	14	1.90	5	90	6.0	85	300/50	2

figures are typical and are subject to change without notice

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