



MWI

Carbon & Graphite Solutions

EDM Material Solutions

Advanced Graphite Materials Machined to Your Specifications

While various graphite grades may appear similar, even minor distinctions in material properties can significantly impact performance. When partnering with MWI, you can have confidence that you will be supplied with the precise graphite grade tailored to meet your application's requirements.

Our lot tracking capability, coupled with a three-decade-long strategic partnership with one of the world's foremost graphite manufacturers, grants us access to the market's highest quality materials.

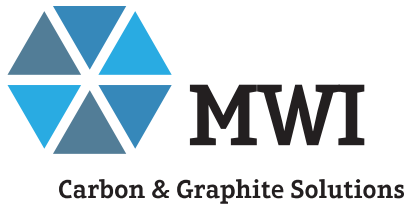
This ensures that we consistently deliver materials of exceptional standards.



Contact Us

1.800.966.4694 | sales@mwi-inc.com





EDM Graphite Grades

- EC-4: Combination medium grain | Medium density | High strength isotropic
- EC-12: Multi-purpose fine grain isotropic
- EC-14: Ultra-fine grain isotropic | Provides fine detailed EDMing
- EC-15: Ultra-fine grain isotropic | Stable in the fabrication of detailed injection molds
- EC-15C: Copper impregnated | Ultra-fine grain isotropic graphite
- EC-16: Ultra-fine grain | Thermal stability & wear resistance | Ideal for high detail fine finish EDMing
- EC-17: Ultra-fine premium isotropic | Fine detail EDMing | Choice grade for wire EDMing of electrodes
- HK-6: Premier grade of ultra-fine | Designed for ultra-high definition | Excellent edge wear resistance
- HK-6C: Premium high-density copper impregnated | Micrograin structure

Graphite Grade	Density (g/cm ³)	Resistivity (μΩm)	Hardness (Shore)	Flexural Strength (kgf / cm ²)	Flexural Strength (MPa)	Avg Grain Size (μm)
EC-4	1.80	12	56	400	39	13
EC-12	1.85	11	58	510	50	11
EC-14	1.83	12.5	62	550	54	7
EC-15	1.82	13.5	64	650	64	7
EC-15C	2.79	2.3	67	790	77	7
EC-16	1.83	16.5	72	670	66	4
EC-17	1.84	15.5	78	900	88	2
HK-6	1.86	12	68	870	85	3
HK-6C	2.68	4.3	74	1,274	125	3

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