

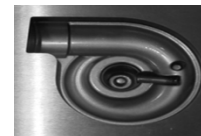


## EDM Graphite Technical Data



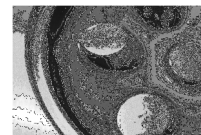
Application: Ideal for rough machining of large surface areas, i.e. drop forging dies.  
 Surface Finish: 3.2 µm Ra, 30VDI

Density (g/cc)	Specific Resistance (µΩm)	Flexural Strength (MPa)	Hardness (Shore)	Ave. Grain Size (µm)
1.85	11	50	58	13



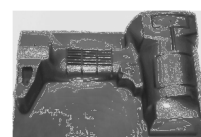
Performance Grade  
 Application: Ideal for rough machining of large surface areas, i.e. drop forging dies.  
 Surface Finish: 2.5 µm Ra, 28VDI

Density (g/cc)	Specific Resistance (µΩm)	Flexural Strength (MPa)	Hardness (Shore)	Ave. Grain Size (µm)
1.84	12	52	54	9



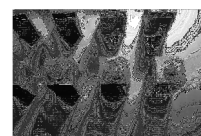
Performance Grade  
 Application: Ideal for general mould tool applications where low wear and speed is required  
 Surface Finish: 2.2 µm Ra, 27VDI

Density (g/cc)	Specific Resistance (µΩm)	Flexural Strength (MPa)	Hardness Shore	Ave. Grain Size (µm)
1.83	12.5	53.9	62	7



High Performance Grade  
 Application: Ideal for general mould tool applications where low wear and high definition and surface finishes are required  
 Surface Finish: 2.2 µm Ra, 27VDI

Density (g/cc)	Specific Resistance (µΩm)	Flexural Strength (MPa)	Hardness (Shore)	Ave. Grain Size (µm)
1.86	12	66	60	6



Precision Grade  
 Application: Ideal for high quality finishing of small to medium die-casting tools, high definition mould and press tools  
 Surface Finish: 1.6 µm Ra, 22VDI

Density (g/cc)	Specific Resistance (µΩm)	Flexural Strength (MPa)	Hardness (Shore)	Ave. Grain Size (µm)
1.82	13.5	63.7	64	7



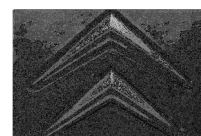
High Precision Grade  
 Application: Ideal where high quality surface finishes and low edge wear are required for technical plastic moulds and tools  
 Surface Finish: 1.0 µm Ra, 20VDI

Density (g/cc)	Specific Resistance (µΩm)	Flexural Strength (MPa)	Hardness (Shore)	Ave. Grain Size (µm)
1.82	16.5	65.7	72	4



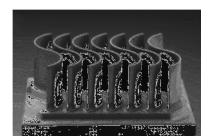
High Precision Grade  
 Application: Superior grade of graphite for ultra-high definition, excellent edge wear resistance and mechanical properties  
 Surface Finish: 0.63 µm Ra, 16VDI

Density (g/cc)	Specific Resistance (µΩm)	Flexural Strength (MPa)	Hardness (Shore)	Ave. Grain Size (µm)
1.84	12.5	88.2	78	2



Ultra High Precision Grade  
 Application: Unique grade of ultra-fine graphite incorporating high strength, low wear characteristics and excellent properties for high quality surface finishing  
 Surface Finish: 0.63 µm Ra, 16VDI

Density (g/cc)	Specific Resistance (µΩm)	Flexural Strength (MPa)	Hardness (Shore)	Ave. Grain Size (µm)
1.86	12	85	68	3



Note: Copper Impregnated materials HK-2C and HK-3C are also available.  
 All properties are typical values and are not to be used for specification limits.  
 All information was correct at the time of writing.