



Locations

Schunk-Tokai Cooperation Poland

Tokai Carbon, producer of graphite for EDM electrodes, assures:

- constant quality of material guaranteed by producer,
- · short delivery times,
- technical support for machining of graphite and EDM settings,
- delivery of ready electrodes,
- competitive prices,

Schunk and Tokai are working together on polish market since 2014. Products offered from both companies are: isostatic graphite for EDM purposes, carbon fibre composites CFC products used in vacuum furnaces, graphite rotors for refining of aluminium and continues casting dies. As a production companies we can assure savings in production costs through right material choices and competitive prices.

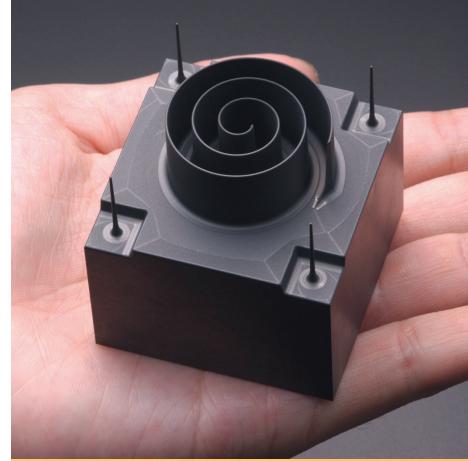
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Tokai Carbon

- Tokai Carbon, producer of graphite for EDM electrodes

EDM Graphite Technical Data

HK-1: GENERAL GRADE

APPLICATION: Ideal for rough machining of large surface areas, i.e. drop forging dies.

SURFACE FINISH: 3.2 μm Ra, 30VDI

DENSITY	SPECIFIC RESISTANCE	FLEXURAL STRENGTH	HARDNESS	AVE. GRAIN SIZE
(g/cm³)	(μΩm)	(N/mm²)	(Shore)	(μm)
1,85	11	50	58	11

HK-10: PERFORMANCE GRADE

APPLICATION: Ideal for rough machining of large surface areas, i.e. drop forging dies.

SURFACE FINISH: 2.5 μm Ra, 28VDI

DENSITY	SPECIFIC RESISTANCE	FLEXURAL STRENGTH	HARDNESS	AVE. GRAIN SIZE
(g/cm³)	(μΩm)	(N/mm²)	(Shore)	(µm)
1,84	12	52	54	9

HK-15: PERFORMANCE GRADE

APPLICATION: Ideal for general mould tool applications where low wear and speed is needed.

SURFACE FINISH: 2.2 µm Ra, 27VDI

DENSITY	SPECIFIC RESISTANCE	FLEXURAL STRENGTH	HARDNESS	HARDNESS	
(g/cm³)	(μΩm)	(N/mm²)	(Shore)	(µm)	l
1,83	12,5	54	62	7	l

HK-20: HIGH PERFORMANCE GRADE

APPLICATION: Ideal for general mould tool applications where low wear and high

SURFACE FINISH: 1.6 µm Ra, 24VDI

DENSITY	SPECIFIC RESISTANCE	FLEXURAL STRENGTH	HARDNESS	HARDNESS
(g/cm³)	(μΩm)	(N/mm²)	(Shore)	(µm)
1,86	12	66	60	6

HK-2: PRECISION GRADE

APPLICATION: Ideal for high quality finishing of small to medium die--casting tools,

high definition mould and press tools.

SURFACE FINISH: 1,26 µm Ra, 22VDI

DENSITY	SPECIFIC RESISTANCE	FLEXURAL STRENGTH	TWARDOŚĆ	ŚREDNIA WIELKOŚĆ
(g/cm³)	(μΩm)	(N/mm²)	(Shore)	ZIARNA (µm)
1,82	13,5	64	64	7

HK-75: HIGHPRECISIONGRADE

APPLICATION: Ideal for high quality finishing of small to medium die--casting tools,

high definition mould and press tools.

SURFACE FINISH: 1.0 μm Ra,20VDI

DENSITY	SPECIFIC RESISTANCE	FLEXURAL STRENGTH	HARDNESS	AVE. GRAIN SIZE
(g/cm³)	(μΩm)	(N/mm²)	(Shore)	(µm)
1,82	16,5	66	72	4

HK-3: 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	SPECIFIC RESISTANCE	FLEXURAL STRENGTH	HARDNESS	AVE. GRAIN SIZE
(g/cm³)	(μΩm)	(N/mm²)	(Shore)	(µm)
1,84	15,5	88	78	2

HK-6: 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	SPECIFIC RESISTANCE	FLEXURAL STRENGTH	HARDNESS	AVE. GRAIN SIZE
(g/cm³)	(μΩm)	na zginanie (N/mm²)	(Shore)	(µm)
1,86	12	85	68	3