

TOYO TANSO

THE VERY FINEST GRAPHITE PRODUCTS FOR EDM APPLICATIONS

Providing our customers with EDM graphite for applications such as:

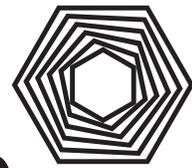
- Plastic Injection Molds
- Carbide Machining
- Aerospace
- Fine Detail Electrodes
- Threaded Electrodes
- Medical Devices
- Military Applications
- Oil & Gas Exploration
- Punch & Die Sets
- Forging Dies
- Blow Molds
- Die Casting

	EDM Grades	Particle Size (μ)	Density (g/cc)	Electrical Resistivity (μ -ohm-in)/(μ -ohm-cm)	Hardness (Shore)	Flexural (psi)/(MPa)	Compressive (psi)/(MPa)	Largest Block Sizes (Inches)
Precision	TTK-9	2	1.77	709/1800	90	13,300/92	26,100/180	5.9x16x27.6
	TTK-4C	4	2.90	100/254	60	15,500/107	28,000/193	2x8x12
Fine Detail	TTK-4	4	1.78	552/1400	72	10,600/73	19,600/135	8.3x20x37.3
Finishing/ Detail	ISO-63	5	1.78	590/1500	76	9,400/65	19,600/135	9x21.5x39.5
	TTK-50	8	1.80	512/1300	70	8,700/60	18,800/130	11.4x23.6x39.4
Roughing/ Semi-Finishing	ISEM-8	8	1.78	528/1340	63	7,540/52	15,400/106	12x24.4x47.2
	ISEM-2	10	1.78	433/1100	55	6,000/41	12,000/83	12x24.5x39.4

TOYO TANSO

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Authorized Distributor



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Electrode Machinability

Extremely low & even distributions of impact on cutting tools result "Superior Shape Machining" of electrodes

Realize high speed machining by low cutting resistance (about 1/10 of metals like copper)

No burrs to remove in secondary operation

Wire-Cut EDM

Extremely low & even pore distribution structure result in a "No Oxide" attack which could cause wire breakage

2 to 3 times of higher EDMing speed (Compared with convention graphite)

No warping & deforming in super small (thin) ribs machining are realized by low C.T.E. (Coefficient of Thermal Expansion) property

Die Sinker EDM

Extremely low electrode wear rate realizes sharper corners & edges

Realize no waviness on all discharged surfaces and better surface finish with a smaller particle size

Create complex three-dimensional shapes that cannot be obtained by other forms of machining

TTK SERIES PREMIUM EDM GRAPHITE

