

TOYO TANSO EDM Products

The very finest graphite products and components in the world

Providing our customer with the finest graphite for EDM applications, including;

- Large Injection Molds
- Forging Dies
- Die Casting
- Large Blow Molds
- Fine Detail Electrodes
- Punch & Die Sets
- Plastic Injection Molds
- Threaded Electrodes
- Aerospace
- Carbide Burning
- Medical Prosthetics
- Petro Exploration

	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 Size (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-5	4	1.78	610/1550	80	11,600/80	21,800/150	8.3x20x37.3
	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
Roughing/Semi-Finishing	TTK-50	8	1.80	512/1300	70	8,700/60	18,800/130	11.4x23.6x39.4
	ISEM-8	8	1.78	528/1340	63	7,540/52	15,400/106	12x24.4x47.2
	ISEM-8C	8	2.88	114/290	68	12,800/88	27,600/190	3x6x12
	ISEM-2	10	1.78	433/1100	55	6,000/41	12,000/83	12x24.4x39.4



**TOYO
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Authorized Distributor



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TOYO TANSO EDM Materials Applications Chart

Material Grade	Forging Dies / Large Injection Molds	Die Cast	Sintered / Powered Metal Molds	Petroleum Exploration / Punch & Dies	Large Blow Molds	Plastic Injection Molds	Fine Detail / Treaded Electrodes	Aerospace / Medical	Wire Cutting
TTK-9						X	X	X	X
TTK-4C				X	X	X	X	X	X
TTK-5				X	X	X	X	X	X
TTK-4				X	X	X	X	X	X
ISO-63	X	X	X	X	X	X			
TTK-50	X	X	X	X	X	X			
ISEM-8C	X	X	X	X		X	X	X	X
ISEM-8	X	X	X	X	X	X			
ISEM-2	X	X	X						

Revision Jan-08

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