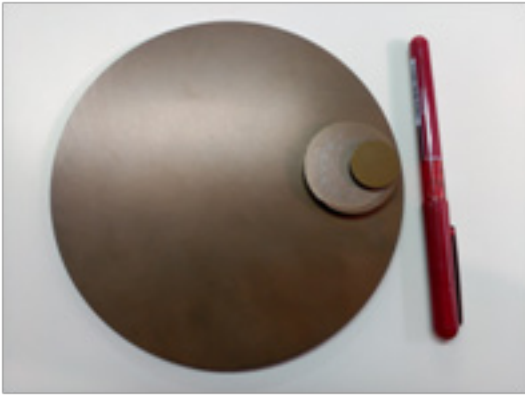


KZY- EDM

Electroconductive Zirconia Composite



Typical Applications

- Cold forming
- Tooling

Main Properties

- Excellent surface finishing
- Low friction against metals
- Excellent chemical resistance in the most demanding environments

Material description

- Manufactured by pressure-assisted sintering (SPS)
- Electrically conductive zirconia matrix composite
- Suitable for EDM machining

Main Parameters

Parameters	Unit	KZY-EDM
Density	g/cm ³	5.60
Modulus of elasticity	GPa	220
Hardness	GPa (HV)	14 (1428)
Flexural strength	MPa	1000
Fracture Toughness	MPa x m ^{1/2}	6.0
Electrical resistivity	Ω.m	3.10 ⁻⁵