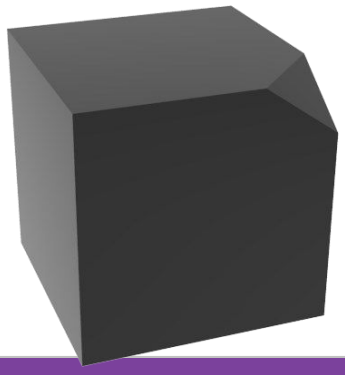

Almax·easyLab
science under pressure

Products

Almax PCD

Almax PCD

Almax PCD is wear resistant, heat resistant and electrically conductive polycrystalline diamond. With it's Silicon binder, it has been developed to have a gain in signal for neutron measurements. The absorption lengths are much lower than PCD material with Cobalt binder.

Almax PCD has been used in multi-anvil presses, as a shielding material (high energy electron attenuation) or as seats for DACs.

Almax PCD is EDM cuttable and available in maximum size of 38mm diameter by 26mm height.

We can supply you PCD cylinders or cubes with truncated corners according to your drawing.

- 80%-90% of 10 µm diamond content with Silicon binder.
- Maximum 38mm diameter by 26mm height.
- EDM cuttable

RELATED PRODUCTS:

- (Partial) Perforation
- Patterned anvils
- Repair Service Prototype polishing

RELATED ACCESSORIES:

Technical Specifications:

Composition	80%-90%(V) diamond content Silicon and other ceramic binder content
Diamond grain	10 µm (also available with 3, 5, 7 or 20 µm)
Electric conductivity	EDM cuttable
Wear resistance	8-10 (x10 000) Wear ratio
Thermal Stability	1,200 °C
Density	3.65-3.70 g/cm³
Stiffness (Elastic Modulus)	850-1,000 GPa
Heat transfer (Thermal conductivity)	400-450 W/mK
Max size	Diameter 38mm x Height 26mm

Specifications subject to change without prior notice.
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