



KINTEK SOLUTION

Cvd Materials Catalog

Contact us for more catalogs of [Sample Preparation](#), [Thermal Equipment](#), [Lab Consumables & Materials](#), [Bio-Chem Equipment](#), etc.

KINTEK SOLUTION

COMPANY PROFILE

>>> About Us

KinTek Group Limited is one technology orientated organization, team members are devoted to probing the most efficient and reliable technology and innovations in the scientific researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vaccum creating, refrigerating, as while as pharmaceutical and petroleum extracting equipment.



Cvd Diamond Dressing Tools For Precision Applications

Item Number: cvdm-01



Introduction

Experience the Unbeatable Performance of CVD Diamond Dresser Blanks: High Thermal Conductivity, Exceptional Wear Resistance, and Orientation Independence.

[Learn More](#)

THICKNESS	WIDTH	LENGTH
0.3	0.3	3.0
0.4	0.4	2.0
0.4	0.4	3.0
0.4	0.4	5.0
0.5	0.5	2.0
0.5	0.5	3.0
0.5	0.5	5.0
0.6	0.6	2.0
0.6	0.6	3.0
0.6	0.6	5.0
0.8	0.8	0.8
0.8	0.8	1.5
0.8	0.8	3.0
0.8	0.8	4.0
0.8	0.8	5.0
1.0	1.0	1.0
1.0	1.0	3.0
1.0	1.0	4.0
1.0	1.0	5.0
1.5	1.5	1.5
1.5	1.5	3.0
1.5	3.0	3.0
1.5	3.0	3.5
1.5	3.0	4.0
1.5	4.0	4.0
1.8	1.8	1.8

1.8	3.0	3.5
1.8	3.5	3.5

Cvd Diamond For Thermal Management Applications

Item Number: cvdm-02



Introduction

CVD diamond for thermal management: High-quality diamond with thermal conductivity up to 2000 W/mK, ideal for heat spreaders, laser diodes, and GaN on Diamond (GOD) applications.

[Learn More](#)

Thermal Grade:	/
Thermal conductivity level:	/
Standard Medium:	>1200W/m.k
High:	>1500W/m.k
Excellent:	>1800W/m.k (up to 2000W/m.k)
Tolerance of Thickness:	±25um
Flatness:	<4um/cm
Density:	3.5g/cm ³
Young's modulus:	1000-1100GPa
Growth side surface finish:	<100 nm Ra
Nucleation side surface finish:	<30 nm Ra
Standard Sizes	
Double sides polished :	Up to diameter 150 mm
As grown thickness:	Between 0.3 mm and 1.5 mm
Polished thickness:	Between 0.2 mm and 1.0 mm

Cvd Diamond Wire Drawing Die Blanks For Precision Applications

Item Number: cvdm-03



Introduction

CVD diamond wire drawing die blanks: superior hardness, abrasion resistance, and applicability in wire drawing various materials. Ideal for abrasive wear machining applications like graphite processing.

[Learn More](#)

Product Number	Diameter of Inner Circle(mm)	Thickness(mm)
CVDD2010	2.0	1.0
CVDD2512	2.5	1.2
CVDD3015	3.0	1.5
CVDD4020	4.0	2.0

Note: The shapes mentioned above are hexangular.

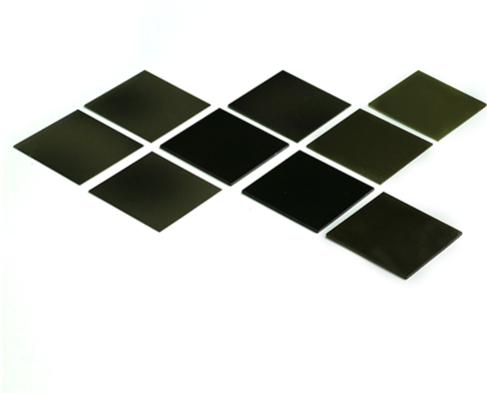
Special specifications are available on request.

Parameters of properties

Vickers hardness	7000-10000kg/mm ²
Density	3.51g/cm ³
Young's modulus	1000-1100GPa
Thermal conductivity	>1000W/m.K
Chemical stability	insoluble in alkali and acid

Cvd Diamond Cutting Tool Blanks For Precision Machining

Item Number: cvdm-04



Introduction

CVD Diamond Cutting Tools: Superior Wear Resistance, Low Friction, High Thermal Conductivity for Non-Ferrous Materials, Ceramics, Composites Machining

[Learn More](#)

Custom Cvd Diamond Coating For Lab Applications

Item Number: cvdm-05



Introduction

CVD Diamond Coating: Superior Thermal Conductivity, Crystal Quality, and Adhesion for Cutting Tools, Friction, and Acoustic Applications

[Learn More](#)

Vickers hardness:	8000-10000mm ²
Young's Modulus:	1000-1100GPa
Friction Coefficient:	0.05-0.1
Thickness:	<50μm
Thickness after polishing:	<30μm

Cvd Diamond Domes For Industrial And Scientific Applications

Item Number: cvdm-06



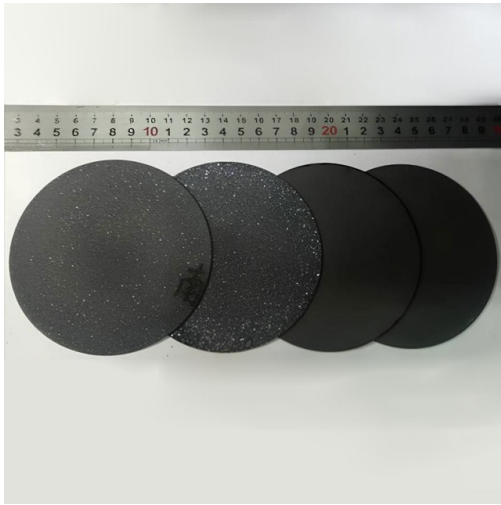
Introduction

Discover CVD diamond domes, the ultimate solution for high-performance loudspeakers. Made with DC Arc Plasma Jet technology, these domes deliver exceptional sound quality, durability, and power handling.

[Learn More](#)

Laboratory Cvd Boron Doped Diamond Materials

Item Number: cvdm-07



Introduction

CVD boron-doped diamond: A versatile material enabling tailored electrical conductivity, optical transparency, and exceptional thermal properties for applications in electronics, optics, sensing, and quantum technologies.

[Learn More](#)

Available dimension:	Diameter100mm, thickness 0.3-2mm
Boron Concentration [B]:	2 to 6 x 10 ²⁰ Atoms /cm ³ , averaged over 0.16 mm ²
Bulk Resistivity (Rv):	2 to 1.8 x 10 ⁻³ Ohm m, ± 0.25 x 10 ⁻³ Ohm m
Solvent Window:	>3.0V

Cvd Diamond Optical Windows For Lab Applications

Item Number: cvdm-08



Introduction

Diamond optical windows: exceptional broad band infrared transparency, excellent thermal conductivity & low scattering in infrared, for high-power IR laser & microwave windows applications.

[Learn More](#)

Diameter:	65mm (F150mm on request)
thickness:	1mm
Flatness:	4um/cm
With higher transparency	
Thickness:	□ 0.3mm
Size:	□ 20 diameter



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