

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.

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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:	
Density:	3.5g/cm ³
Young's modulus:	1000-1100GPa
Growth side surface finish:	
Nucleation side surface finish:	
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