

镀覆金刚石

Coated diamond

产品特征: 镀覆金刚石是采用化学镀、电镀等方法在金刚石的表面包覆一层特定厚度的金属层, 以提高金刚石与结合剂的结合能力, 增强磨料把持力, 掩盖磨料自身缺陷, 提高磨料颗粒强度, 同时金属镀层可以隔离空气, 增进散热, 减少金刚石的氧化和热损伤, 大幅度延长使用寿命。

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产品特征:

- ★ 系列产品包括化学镀镍、电镀镍、镀铜、镀钛等品种。
- ★ 可提供 8 μ m 至 30 目之间的各规格尺寸产品。
- ★ 可镀覆各种金刚石。
- ★ 成熟稳定的镀覆工艺确保镀层致密均匀, 不但可以精确控制镀层厚度及金属增重量,

还可应客户要求提供两种金属的复合镀产品。

- ★ 独特的磨粒表面纯化预处理工艺使金刚石与镀层结合力更加牢固。
- ★ 基于纳米级粉体的分散和表面处理经验, 确保了 10 μ m 以细的镀覆产品也不会出现

粘连现象。

可供规格:

- ★ 镀镍产品常规规格有 N30, N55, N56 等, 可根据客户要求镀覆不同厚度镀层。
- ★ 镀铜、镀钛产品可根据客户要求镀覆不同厚度镀层。

应用领域:

- ★ 化学镀镍金刚石常用于树脂结合剂及电镀制品。

- ★ 电镀镍金刚石常用于树脂结合剂制品。
- ★ 镀铜金刚石常用于金属结合剂制品。
- ★ 镀钛金刚石常用于金属和陶瓷结合剂制品。

Product characteristics:

- ★ Bonding strength between diamond and binding agent increased, also grits' holding strength.
- ★ The coated layer can separate air, increase heat dissipation, reduce thermal damage to diamond.
- ★ It can blanket particle defects and uplift their strength.

Specifications:

- ★ Nickel coated products N30, N55, N56 etc. Special requirements can be customized.
- ★ Copper coated and Ti coated products can be tailor-made with different coating thickness.

Application field:

- ★ Chemical nickel coating mainly for resin bond products.
- ★ Electro nickel coating mainly for resin bond products.
- ★ Copper coating mainly for metal bond products.
- ★ Ti coating mainly for metal and ceramic bond products.