

BNK-ES81 Efficient conductive agent 高效导电剂 Quaternary ammonium salt 季铵盐



Property

- Highly electric conduction efficiency. The electric resistance can be reduced easily while adding a little conductive agent. The muddy will not occur after adding. It's still efficient when the filler density is high.
- Completely dissolved in alcohol, alcohol ether, ketone solution. Partly dissolved in aliphatic hydrocarbon, sundex, hydrocarbon, esters solution. Good compatibility with most resins. It's will react with NCO persad when it's used for two component system. And will shorten the activation period.
- The temperature will not affect the property. The muddiness or delamination will be occurred when the temperature is below 0°C. It will be cleared while heating to room temperature.

Technical Data

Appearance (visual test)	light yellow or clear liquid
Active substance content	100%
PH value	7.5

Application Fields

Anti-static effect will be lasted for a long time while using in printing inks and epoxy systems. Electrostatic spraying and epoxy floor antistatic electricity for all coating systems.

Dosage

0.07-0.7% depend on the total formula. According to the parameters below:

1. Electrical conductivity of original formula
2. Final electrical conductivity
3. Percentage composition of pigment
4. The usage of polar solvent

Testing is strongly recommended to make sure the best dosage before using.

Usage

Added at the stage of grinding process or after that. Should be fully mixed. 1:1 dilution with isobutanol is the best way to improve the miscibility.

Packing

25KG

Storage and transportation

Stable at room temperature



特性

- 导电效率高，很少的添加量就能明显降低体系的电阻，即使在填料密度较高时仍然效率很高。
- 可完全溶解于醇、醇醚和酯类溶剂，部分溶解于脂肪烃、芳烃、碳氢化合物和酯类溶剂中，与绝大多数基料的相容性良好，但用于双组份 PU 体系时，会与 NCO 基团发生反应，常常会缩短体系的活化期。
- 由于添量少，所以不会影响涂膜的干燥性以及对于湿气的敏感度，它的亲水结构也不会影响涂膜的耐盐雾性。
- 在低温下可能会部分凝固，这是一个可循环过程，不会影响产品的性能，只需升温搅拌，待其自然溶解再用，或将其储存在能够维持常温的场所，通常不影响产品性能。

技术数据

外观 (目测)	淡黄色到透明液体
活性份	100%
PH 值	7.5

应用领域

用于油墨、环氧体系可长时间具有防静电效果。
各种静电喷涂体系、工业地坪涂料、装饰涂料、一般工业涂料。

使用方法

可在研磨前阶段添加，也可后阶段添加，充分搅拌均匀。如想获得最佳效果，建议将 ES81 与异丁醇 1: 1 稀释，以提高其混容效果。加入油漆或溶剂均可。

推荐用量

本品的建议添加量为：对全量 0.07-0.7%，ES81 用量下以下因素有关：极性溶剂的使用，颜填料的百分含量，原始配方的导电率等。建议使用前试验以确定最佳用法和用量。

包装规格

25KG

储存运输

在常温下保持稳定