

**球形氧化铝/Spherical Alumina Powder BAK-90**

- 高球化率，高填充率，高热导率，低离子含量。/High Spheroidization Ratio, High Filling Ratio, High Thermal Conductivity, Trace Ionic Impurities.
- 应用/Application  
热界面材料，导热工程塑料，导热基板。/Thermal Interface Materials, Thermal Plastics, Thermal Clads.

➤ 物理特性/Physical Characteristics

| 项目 /Item                    | 单位 /Unit           | 典型值 /Typical Value | 方法/设备 Method/Device                               |                                  |
|-----------------------------|--------------------|--------------------|---|----------------------------------|
| 粒度/Particle Size            | (D <sub>10</sub> ) | μm                 | 55.23   | Light Scattering/OMEC LS-POP(6)  |
|                             | (D <sub>50</sub> ) | μm                 | 87.96   |                                  |
|                             | (D <sub>90</sub> ) | μm                 | 134.92  |                                  |
| 粒度/Particle Size            | (D <sub>10</sub> ) | μm                 | 67.52   | Light Scattering/HORIBA LA-950v2 |
|                             | (D <sub>50</sub> ) | μm                 | 91.32   |                                  |
|                             | (D <sub>90</sub> ) | μm                 | 131.51  |                                  |
| 比表面积/S.S.A.                 | m <sup>2</sup> /g  | 0.16               | 3H-2000A Specific Surface Area Analyzer           |                                  |
| 电导率/Electrical Conductivity | μS/cm              | 8.15               | Mettler FE-30 Conductivity Meter                  |                                  |
| pH                          | -                  | 7.30               | Mettler FE-20 pH Meter                            |                                  |
| 含湿率/Moisture                | %                  | 0.03               | Halogen water-determination meter / (110°C/10min) |                                  |
| 真密度/True Density            | g/cm <sup>3</sup>  | 3.88               | 3H-2000TD True Density Analyzer                   |                                  |
| 球化率/ Spheroidization        | %                  | 95                 | Microscopic Observation                           |                                  |

➤ 化学成份/Chemical Characteristics

| 项目 /Item                  | 单位 /Unit                       | 典型值 /Typical Value | 方法/设备 Method/Device |  |
|---------------------------|--------------------------------|--------------------|---------------------|--|
| 化学成分/Chemical Composition | Al <sub>2</sub> O <sub>3</sub> | %                  | 99.94               | 1-Fe <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O-SiO <sub>2</sub> -Loss |
|                           | SiO <sub>2</sub>               | ppm                | 20                  | ICP  |
|                           | Fe <sub>2</sub> O <sub>3</sub> | ppm                | 60                  | ICP  |
|                           | Na <sub>2</sub> O              | ppm                | 70                  | ICP  |
|                           | Loss                           | %                  | 0.04                | 1100°C/2h  |

➤ SEM Image

