



# SPECIFICATION

( FUJIAN KUNCAI MATERIAL TECHNOLOGY CO. LTD. )

**Product Name:** Exterior Bright Gold KC9307-SW

**Appearance:** A free flowing off gold powder with a bright luster.

| Ingredients<br>&<br>Composition | Chemical Name                                    | Specification                           | CAS No.    | CI No.                   |
|---------------------------------|--|---|------------|--------------------------|
|                                 | Mica   | (44 ~ 53)%                              | 12001-26-2 | 77019                    |
|                                 | Titanium Oxide(TiO <sub>2</sub> )                | (36 ~ 40)%                              | 13463-67-7 | 77891                    |
|                                 | Iron(III) Oxide(Fe <sub>2</sub> O <sub>3</sub> ) | (12 ~ 15)%                              | 1309-37-1  | 77491                    |
|                                 | Tin Oxide (SnO <sub>2</sub> )                    | (< 1)%                                  | 18282-10-5 | 77861                    |
|                                 | Cerium Oxide (Ce <sub>2</sub> O <sub>3</sub> )   | (< 1)%                                  | 1345-13-7  | 77280                    |
|                                 | Polymer  | (1 ~ 5)%                                | 2530-83-8  | -                        |
|                                 | -  | -                                       | -          | -                        |
| Physical<br>Properties          | Particle Size Distribution (PSD)                 | 90% within the range (10 ~ 60) μm       |            | Malvern Mastersizer 3000 |
|                                 | D50  | (22.0 ± 2.0) μm                         |            | Malvern Mastersizer 3000 |
|                                 | Color  | as KC STD                               |            | Powder Color, Visual     |
|                                 | pH (10 % aqueous suspension)                     | 4.0 ~ 9.0                               |            | GB 1717                  |
|                                 | Loss on Ignition (LOI,105°Cx2hr)                 | ≤ 0.5 %                                 |            | GB 5211.3                |
|                                 | Oil absorption value                             | (60.0 ~ 90.0) g oil / 100 g powder      |            | GB 5211.15               |
|                                 | Bulk Density                                     | (40.0 ~ 60.0) g/100cm <sup>3</sup>      |            | GB/T 23771               |
|                                 | Density  | (2.8 ~ 3.4) g/cm <sup>3</sup> (water=1) |            | GBT 1713                 |

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