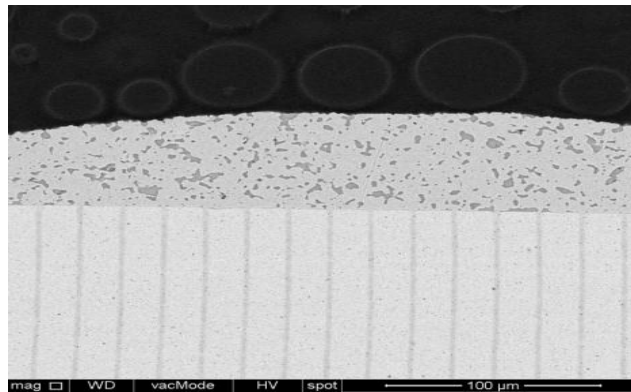


■ Copper End-electrode Paste For MLCC

◆ Features

- * This product is a red paste fluid material, which is mainly composed of copper powder, glass powder and organic adhesive.
- * This product does not contain lead, cadmium, hexavalent chromium and other prohibited substances. It conforms to the environmental protection requirements of RoHS directive.
- * The product is applied to the terminal electrode of BME-MLCC.

◆ Appearance Of End Electrode After Burning



◆ Physical Properties

Type	Solid content (%)	Viscosity (Pa·S)	F.O.G	Applicability
CB06	82.5±1.5	20.0~30.0	≤8.0 μm	X7R material, 0201-1210 specification
CB06H	81.1±1.5	23.0~33.0	≤8.0 μm	X7R material, 0402-2220 specification or COG material, 0402-0805 specification
CN31	82.4±1.5	20.0~30.0	≤8.0 μm	COG Material, 0402-0805 specification
CF63	79.8±1.0	25.0~31.0	≤8.0 μm	Y5V, X7R material, 0402-1812 specification

(The viscosity test condition is Brookfield HBDV- II +, CP52, 10rpm, 25±0.5°C)

◆ Product Features

- * After sintering, the copper layer of the end electrode has good compactness.
- * High electrical conductivity.
- * The product has high adhesion. After sintering, the copper layer is closely connected with the porcelain body.

◆ Recommended Processes

- * Stir: Stir slowly and evenly before use.
- * Termination: Termination with matching equipment and technical parameters.
- * Drying: chain oven (appropriate amount of air), 100 ~ 110°C (peak temperature), 25 ~ 30min (full time).

Due to equipment differences, the customers can adjust the temperature according to the actual situation.

*Sintering: chain type nitrogen atmosphere end burning furnace. The product is sintered in a protective atmosphere. It is recommended to select the specific sintering temperature according to the porcelain body system. The recommended sintering conditions are as follows:

Type	Peak temperature (°C)	Peak time (min)
CB06	765±10	7.5~10
CB06H	730±10	7.5~10
CN31	755±10	10~20
CF63	930±10	10~20

- * Electroplating: applicable to the electroplating solution of amino sulfonic acid system.
- * Cleaning: absolute ethanol.
- * Storage: keep in a cool place without freezing, the best temperature:18~25°C.
- * Expiry date: 6 months (stored below 25 °C).
- * Package: 500g/bottle, 1000g/bottle or 1500g/ bottle.