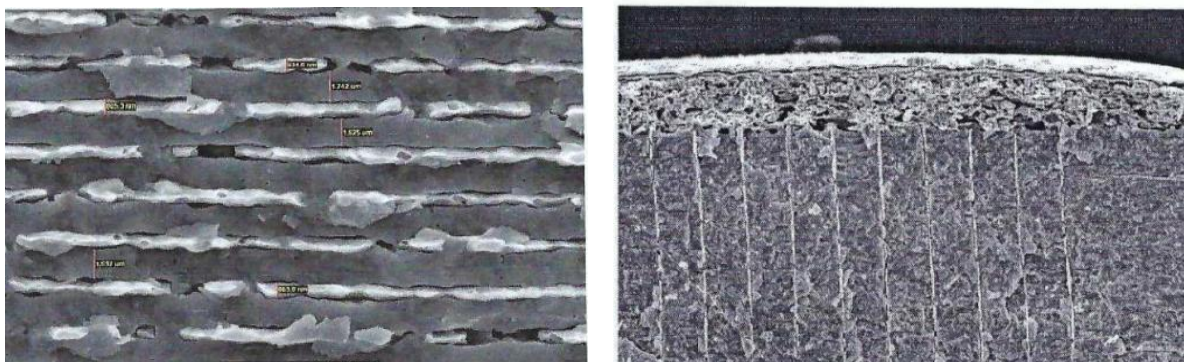


■ Nickel Inner Electrode Paste For MLCC

◆ Features

- * Grey-black paste fluid, mainly composed of nickel powder, organic resin and organic solvent.
- * Free of lead, cadmium, chromium and other harmful substances and meets Rohs environmental protection requirements.
- * It is widely used in chip capacitor and other basic components.

◆ Post-fired Electrode Diagram



◆ Physical Properties

Type	Size distribution	Solid content (%)	Viscosity (Pa·S)	F.O.G (The second line/90%)	Applicability
NB0071	400nm	54.5±1.0	8~11	≤ (5.0 μm /4.0 μm)	X7R or X5R MLCC products
NB410	400nm	55.0±1.0	8~11	≤ (5.0 μm /4.0 μm)	X7R or X5R MLCC products
NB9020	600nm	56.0±1.0	9~11	≤ (5.0 μm /4.0 μm)	X7R or X5R MLCC products
NB0080	300nm	55.0±1.0	8~12	≤ (5.0 μm /4.0 μm)	X7R or X5R MLCC products
NN0050	400nm	51.5±1.0	9~14	≤ (5.0 μm /4.0 μm)	C0G ceramic MLCC products
NF0290	400nm	56.5±1.0	11~16	≤ (5.0 μm /4.0 μm)	Y5Vceramic MLCC products

*Viscosity testing conditions are Brookfield HBDV- II +,CP52, 25±0.5°C, 10rpm)

◆ Product Features

- * Excellent dispersity, no agglomeration, the printed electrodes are smooth and flat with thin thickness and low sintering shrinkage.

◆ Recommended Processes

- * Mixing: slow stirring just before use.
- * Screen printing: 325 ~ 500 mesh stainless steel screen or nylon wire screen.

* Sintering: recommended peak temperature and holding time:

Type	Sintering temperature range (°C)	Holding time (hr)
NB0071	1250±150	2~3
NB410	1250±150	2~3
NB9020	1250±150	2~3
NB0080	1250±150	2~3
NN0050	1200±150	2~3
NF0290	1250±150	2~3

* Cleaning: absolute ethanol is recommended.

* Storage: keep in a shade and cool place without freezing, the best temperature: 18~25°C.

* Expiry date: 6 months (stored below 25°C).

* Package: 500g/bottle or 1000g/bottle or 1500g/bottle.