

Nihon Genma's best flux cored solder was launched



Clean finish with less burnt residue and bubbles.

Work environment can be improved by very low level of fume.

Ensured outstanding wettability.

Burn suppression effect

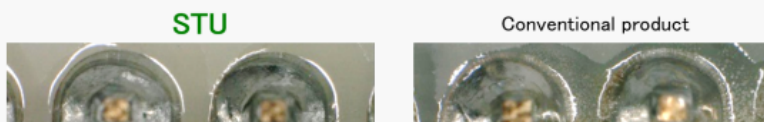
Significantly reduces residue and solder iron burnt.

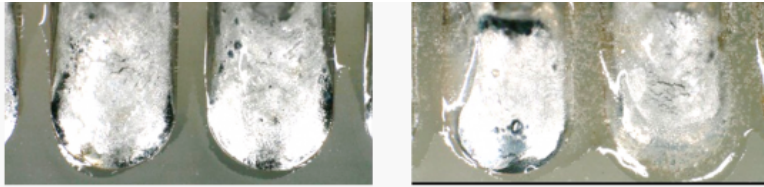
| | STU | | Conventional product | |
|-------|-----|--|----------------------|--|
| 350°C | | | | |
| 380°C | | | | |
| 410°C | | | | |

Observed the burnt of flux residue and soldering iron after soldering.
 Number of soldered parts: 40 Soldering time: 2.0sec
 Land pattern: 5.0mm × 5.0mm Outer diameter of sample: Φ0.8mm

Bubble suppression effect

Significantly reduces bubbles inside flux residue .





Observed the bubble of flux residue after soldering.
 Soldering iron temperature: 380°C
 Soldering time: 2.0sec Land pattern: 5.0mm × 5.0mm Outer diameter of sample : Φ0.8mm

Fume suppression effect

Significantly reduced flux fume and improved working environment.

| | STU | Conventional product |
|-------|-----|----------------------|
| 350°C | | |
| 380°C | | |
| 410°C | | |

Observed the volume of generated fume.
 Feed speed 10mm/sec Outer diameter of sample Φ0.8mm

Wettability

Excellent wettability compared to conventional products.

| | 350°C | | | 380°C | 410°C |
|----------------------|-------|--------|--------|---------------------------|--------|
| | 0sec | 0.4sec | 1.0sec | Soldering completion time | |
| STU | | | | 1.2sec | 0.9sec |
| Conventional product | | | | 1.6sec | 1.1sec |

Measured the soldering speed.
 Sample amount: 10.0mm Soldering iron temperature: 350°C
 Land pattern: 2.0mm × 4.0mm Outer diameter of sample: Φ0.8mm