

SOLDIM BH63JWS16E

- This product has good wettability because solder powder isn't easily oxidized.
- By introducing special technology, this product has good water solubility better than conventional solderpaste.

Image



Washing test

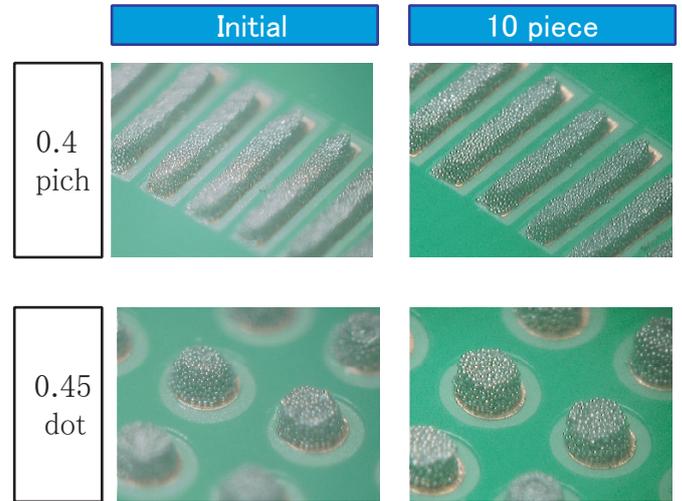
This product has good water solubility.



Ultrasonic washing machine: 60s

Printing test

This product has good printability.



Condition Velocity: 30mm/s

Wetting test

This product has good wettability.



Void test

This product has less void.

BH63JWS16E



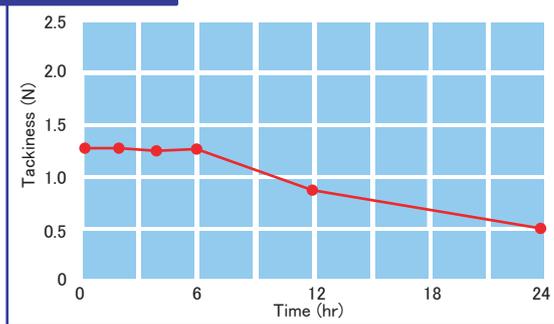
Conventional product



Tackiness Test

Tackiness of this product is stable over long time.

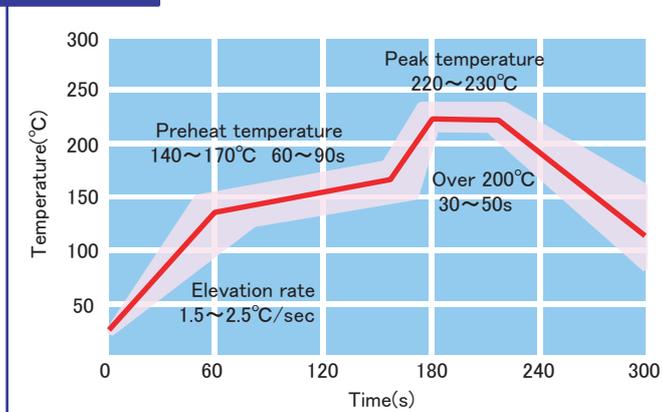
Tackiness Test



Test condition: 25°C

Recommendable temperature profile

Reflow profile



Characteristic Data

Characteristic data of BH63JWS16E is shown below.

Product name	BH63JWS16E
Alloy composition(%)	Sn:63, Pb:37
Melting point(°C)	183~184
Powder particle size(μm)	45~25
Halide content(%)	0.005※ ₁
Flux contents(%)	14.0
Spreading ratio(%)	92
Copper plate corrosion test	Pass
Insulation resistance test(Ω)	≥5.0x10 ⁸
Viscosity(Pa·s)	190
Thixotropy index	0.50
Tackiness test	>24Hr
Storage stability	6 months (Under 10°C)

※ Above values are typical value.

※₁ This solder paste contain non-ionic halide activator.

Precautions

- Please keep solder paste in cold storage such as 0 to 10°C. If it is left in hot condition, it may cause changing of Viscosity or hygroscopic inferior.
- Please restore the temperature of paste to room condition ahead of using.(It is required about three hours)
- Please stir the solder paste homogeneously by mixer before using.(We suggest the mixing time at 90sec. by Japan Unix machine, or at 10 minutes by Malcom machine.)
- Please do not mix used solder paste with virgin paste.
- Please close up the opened bottle of solder paste to restore in refrigerator.
- After printing, please re-flow the solder paste as soon as possible.
- Please choose the suitable re-flow condition which meets to the solder paste. The flux happens to carbonization by unsuitable re-flow condition, also it is no good for insulation resistance. The profile is different because it depend on thermal capacity of chips and board, you should consider enough to determine the profile.
- Please do not touch the paste by bare-handed and inhale the gas by soldering.

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