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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 28861-2012

**Test method for measuring melt fluidity of encapsulating
material of powdered epoxy**

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Administration of the People's Republic of China**

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4 devices and materials

4.1 electric heated blast drying oven, heated to 300 degrees C, temperature control of +/- 2 degrees C.

4.2 brass sample holder, the slope of 65 ° +/- 30 '.

4.3 mercury thermometer, range 0 degrees C ~ 250 degrees C, minimum scale 1 degrees C.

4.4 stopwatch, indexing 0.2 seconds.

4.5 balance, a sense of the amount of 0.01g.

4.6 vernier caliper, 120mm, precision 0.02mm.

4.7 the glass sheet, 110mm x 50mm x 2.5mm.

4.10 may regulator furnace.

4.11 polytetrafluoroethylene (PTFE) aerosol sprayers.

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

The standard equipment by the National Standardization Technical Committee and the semiconductor material (SAC/TC203) and focal points.

This standard is mainly drafted by. Xianyang Reid Electronic Technology Co., Ltd., Xianyang Wei-hua Insulation Materials Co., Ltd., China Electronics Technology Standard

Associate of the Institute.

1 Scope

This standard specifies the encapsulation materials epoxy powder flowability and inclined horizontal flow test methods.

This standard applies to epoxy powder encapsulation materials melt flow measurement.

2 Normative references

The following documents for the application of this document is essential. For dated

references, only the dated version suitable for use herein

Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 21782.9-2010 powder coatings - Part 9. Sampling

Principle 3

Epoxy powder coating material is pressed into a cylindrical mold standard size, made of molded specimen. At a predetermined temperature, the sample is placed in the horizontal holder

Or on a predetermined angle of inclination of the glass holder to maintain a predetermined time after the sample is taken out carrying glass, natural air to room temperature measurements. tilt

Liquidity is represented by the total length of sample after melt flow. The level of liquidity than the melting sample for the sample before and after the diameter of the variable diameter of the initial one hundred

Fraction representation.

After the hot-plate horizontal flow test method is a hot plate heated to a predetermined temperature and constant, the molded sample was placed on a hot plate, the count immediately

When, after holding a predetermined time, vernier caliper diameter of the sample, with the sample before and after the melting of the sample than the diameter of the variable diameter of the initial one hundred

Fraction representation.

4.7 the glass sheet, 110mm x 50mm x 2.5mm.

4.8 steel cylindrical press molding machine, and a connecting rod, a cylindrical mold cavity diameter 10mm +/- 0.06mm, the height of 7.0mm +/- 0.05mm.

4.9 hot plate, brass plate smooth surface, thickness 15mm ~ 20mm, diameter of 120mm or 120mm x 120mm. For the side

Insert the thermometer diameter 7mm, 65mm deep holes.