

ICS 31.030

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

GB/T 37945-2019

**Materials for organic light emitting diode display (OLED) - Test
method of glass transfer temperature - Differential scanning
calorimetry (DSC)**

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Standardization Administration**

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Foreword

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

1 Scope

This standard specifies the use of differential scanning calorimetry (DSC) for the determination of organic materials for organic light-emitting diode (OLED) displays.

Test method for glass transition temperature (T_g).

This standard applies to small molecules and polymer materials for OLED.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

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

GB/T 22567-2008 Test method for determining glass transition temperature of electrical insulating materials

JJG936-2012 Differential Scanning Calorimeter Verification Procedure

JJG1036-2008 Electronic Balance Verification Procedure

3 Terms and definitions

The terms and definitions defined in GB/T 22567-2008 apply to this document.

4 Principle

Measure the heat flow rate (thermal power) difference between the input sample and the reference sample with temperature and/or time under the specified atmosphere and program temperature control

The relationship between changes.

The curve with the temperature or time as the X-axis and the heat flow rate difference or the thermal power difference as the Y-axis is the DSC curve.

7.1.1 Turn on the instrument until the instrument reaches a steady state.

GB/T 37945-2019

(Materials for organic light-emitting diode displays Glass transition temperature test method
Differential thermal method)

ICS 31.030

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National Standards of People's Republic of China

Organic light-emitting diode display material

Glass transition temperature test method differential thermal method

Materials for organic light-emitting diode display (OLED) - Test method of

glasstransfertemperature-Differential scanning calorimetry (DSC)

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Content

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