

ICS 83.080.01
CCS G31



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

GB/T 19466.1-2025

Replacing GB/T 19466.1-2004

**Plastics - Differential scanning calorimetry (DSC) method - Part
1: General principles**

塑料 差示扫描量热 (DSC) 法 第1部分: 通则

(English Translation)

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Foreword

GB/T 19466.1-2025 is a recommended national standard (GB/T) of the People's Republic of China, issued on 2 December 2025 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 July 2026.

This edition replaces GB/T 19466.1-2004.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the China Petroleum and Chemical Industry Federation.

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1 Scope

Differential scanning calorimetry, or DSC, is widely used to study the thermal behaviour of plastics. This standard is Part 1 of the DSC series and sets out general principles. The other parts of the series deal with specific measurements, while this one provides the common basis for them. It is a recommended national standard.

Polymer manufacturers, converters, university and industrial laboratories, instrument vendors and quality assurance teams working with thermal analysis are its natural readers. Anyone writing a laboratory method for DSC on plastics will find that general principles shared across measurements are collected here.

The 2025 edition was issued on 2 December 2025 and took effect on 1 July 2026, so it is already in force. It replaces GB/T 19466.1-2004. Laboratories that still follow the earlier edition should check their methods against the current text.