

ICS 83.140.10

CCS G31



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

GB/T 43019.6-2025

**Determination of water vapour transmission rate for plastics
film and sheeting - Part 6: Ionization mass spectrometer
method**

塑料薄膜和薄片水蒸气透过率的测定 第6部分：电离质谱仪法

(English Translation)

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Foreword

GB/T 43019.6-2025 is a recommended national standard (GB/T) of the People's Republic of China, issued on 31 December 2025 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 July 2026.

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

It is under the responsibility of the China National Light Industry Council.

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1 Scope

Water vapour transmission rate is a key property of films used in food packaging, pharmaceuticals, electronics and barrier materials. This standard, Part 6 of the series on plastic film and sheeting, specifies an ionization mass spectrometer method for determining it. It adopts an international standard.

Film and sheet producers, packaging converters, barrier coating developers, materials research laboratories and quality teams use such methods to characterise product performance or compare materials. Instrument suppliers and test houses that offer permeation measurements will also refer to it.

It is a recommended (GB/T) standard, so it is voluntary unless a contract or product specification cites it. It was issued on 31 December 2025 and took effect on 1 July 2026, so it is now in force.