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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 31727-2026

Test method for mar resistance of transparent plastic film

透明薄膜耐磨花性试验方法

(English Translation)

Issued on: September 28, 2026 **Implemented on: April 1, 2027**

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

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1 Foreword

GB/T 31727-2026 was issued by State Administration for Market Regulation; Standardization Administration of the PRC on 28 September 2026 and has been in force since 1 April 2027.

It replaces the earlier edition GB/T 31727-2015.

This is a draft translation for reference among interesting stakeholders. The finalized translation (passing through draft translation, self-check, revision and verification) will be delivered upon being ordered.

2 Scope Preview

This document describes two test methods for the mar resistance of transparent plastic films. Method 1 is the gloss difference method, and Method 2 is the haze difference method. This document is applicable to the determination of the mar resistance of biaxially oriented polypropylene (BOPP), biaxially oriented polyamide (BOPA), cast polypropylene (CPP), biaxially oriented polyester (BOPET), polyethylene (PE) films, coated films, matte films, multilayer composite films and other plastic films.

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GB/T 31727-2026 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 75,626 other GB/T standards.

Of the 47,415 GB/T standards that do carry an ICS number, 3,437 (7%) fall under ICS 77, in the field of metallurgy.

3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of the PRC

English translation: about 15 pages (approximate)

4 Related standards

Other editions:

GB/T 31727-2015 (earlier edition)

5 Classification and status

Prefix GB/T: recommended standard.

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