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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Contents

Page

Introduction ····· 1
1 Scope ····· 1
2 Normative references ····· 1
3 Terms and definitions ····· 2
4 Principle ····· 2
5 Test specimens ····· 3
5.1 Shape of test specimen ····· 3
5.2 Number of test specimens ····· 3
5.3 Thickness measurement of test specimen ····· 3
6 Conditioning ····· 3
7 Test methods ····· 3
8 Test result ····· 4
9 Test report ····· 4

Annex A (normative) Determination of water vapour transmission rate by humidity detection sensor method ····· 5
Annex B (normative) Determination of water vapour transmission rate by infrared detection sensor method ····· 9
Annex C (normative) Determination of water vapour transmission rate by gas chromatographic sensor method ····· 13
Annex JA (informative) Comparison table between JIS and corresponding International Standards ····· 19

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee as the result of proposal of revision of Japanese Industrial Standard submitted by the Japan Plastics Industry Federation (JPIF)/ Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS K 7129** : 1992 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

Plastics—Film and sheeting—Determination of water vapour transmission rate—Instrumental method

Introduction

This Japanese Industrial Standard has been prepared based on the first editions of **ISO 15106-1** and **ISO 15106-2** published in 2003, and **ISO/DIS 15106-4** published in 2007 with some modifications of the technical contents.

The portions with continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standards have been modified. A list of modifications with explanations is given in Annex JA.

1 Scope

This Standard specifies an instrumental method for determining the water vapour transmission rate of plastic film, plastic sheeting and multi-layer structures including plastics, which have smooth surfaces without any embossed portions, using a humidity detection sensor, method, infrared detection sensor method and gas chromatographic sensor method.

NOTE : The corresponding International Standards and the symbol of degree of correspondence are as follows.

ISO 15106-1 : 2003 *Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 1 : Humidity detection sensor method*

ISO 15106-2 : 2003 *Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 2 : Infrared detection sensor method*

ISO/DIS 15106-4 : 2007 *Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 4 : Gas-chromatographic detection sensor method*

(Overall evaluation : MOD)

The symbols which denote the degree of correspondence in the contents between **JIS** and the relevant International Standards are IDT (identical), MOD (modified) and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. For the standards with the indication of year,