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Cast polypropylene films for packaging

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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 for revision of Japanese Industrial Standard submitted by Japan Polypropylene Film Industry Association/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 Z 1713 : 1997** is replaced with this Standard.

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Cast polypropylene films for packaging

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 17557** published in 2003 with some modifications of the technical contents for the periodic review of 5 years and for conformance to **ISO** Standard.

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

1 Scope

This Standard specifies transparent cast polypropylene films mainly used for packaging (hereafter referred to as “films”).

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows :

ISO 17557 : 2003 *Plastics — Film and sheeting — Cast polypropylene (PP) films* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** 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. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 7503 *Dial gauges*

JIS B 7507 *Vernier, dial and digital callipers*

JIS B 7516 *Metal rules*

JIS K 6768 *Plastics — Film and sheeting — Determination of wetting tension*

NOTE : Corresponding International Standard : **ISO 8296** *Plastics — Film and sheeting — Determination of wetting tension* (IDT)

JIS K 7100 *Plastics — Standard atmospheres for conditioning and testing*

NOTE : Corresponding International Standard : **ISO 291** *Plastics — Standard atmospheres for conditioning and testing* (MOD)

JIS K 7125 *Plastics — Film and sheeting — Determination of the coefficients of friction*

NOTE : Corresponding International Standard : **ISO 8295** *Plastics — Film and sheeting — Determination of the coefficients of friction* (IDT)

JIS K 7127 *Plastics — Determination of tensile properties — Part 3 : Test conditions for films and sheets*

NOTE : Corresponding International Standard : **ISO 527-3** *Plastics — Determination of tensile properties — Part 3 : Test conditions for films and sheets* (IDT)

JIS K 7129 *Plastics — Film and sheeting — Determination of water vapour transmission rate — Instrumental method*

JIS K 7136 *Plastics — Determination of haze for transparent materials*

NOTE : Corresponding International Standard : **ISO 14782** *Plastics — Determination of haze for transparent materials* (IDT)

JIS Z 8401 *Guide to the rounding of numbers*

3 Classification

Films are classified according to polymer type and corona discharge treatment as shown in table 1.

Table 1 Classification of films

Polymer type	Subjected to corona discharge	Not subjected to corona discharge
Homopolymer ^{a)}	Type 1	Type 2
Copolymer ^{b)}	Type 3	Type 4
Notes ^{a)} Homopolymer type films are films of polymer and mixture containing at least 95 % by mass fraction of propylene. ^{b)} Copolymer type films are films of polymer and mixture containing 50 % or more but less than 95 % by mass fraction of propylene.		

4 Requirements

4.1 Appearance

The film appearance shall be checked in accordance with 5.2 and the films shall be free from flaws, slackness, wrinkles, stains, foreign matters, or blockings ¹⁾, or any other defects which could impair their serviceability.

Note ¹⁾ Blocking means adherence phenomenon between films.

The splicing of two films in a roll shall be prominently marked, by using a means such as a coloured adhesive tape, to provide a visible indication from the side of the roll.