

Translated and Published by Japanese Standards Association

$JIS \; K \; 6745^{\,:\,2023}$

(JPSA/JPIF/JSA)

Plastics — Unplasticized poly (vinyl chloride) sheets

ICS 83.140.10 Reference number: JIS K 6745 : 2023 (E)

Date of Establishment: 1956-07-17

Date of Revision: 2023-11-20

Date of Public Notice in Official Gazette: 2023-11-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

JIS K 6745 : 2023, First English edition published in 2024-12

Translated and published by: Japanese Standards Association Mita Avanti, 3-11-28, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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

© JSA 2024

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

Contents

Page

Introduction ······1		
1	Scope1	
2	Normative references ······1	
3	Terms and definitions ······3	
4	Material ······3	
5	Classification 3	
6 6.1 6.2 6.3	Requirements3Appearance3Nominal dimensions3Properties5	
7 7.1 7.2 7.3 7 4	Test methods 7 General 7 Appearance 7 Dimensions 7 Mechanical properties 8	
7.5	Thermal propertie	es
7.6	Total luminous tr Chemical resistar	ansmittance ······11
8 8.1 8.2	Packaging ······11 Delivery package ······11 Individual package ·····11	
9	Marking ······12	
Annex	x A (informative)	Determination of resistance to delamination of thick pressed sheets using a wedge ······13
Annez	x B (informative)	Determination of resistance to delamination of thick pressed sheets by thermal bending15
Annex	x JA (normative)	Determination of chemical resistance and its re- quirements ······17
Annex	x JB (informative)	Other mechanical and physical properties19
Annez	x JC (informative)	Comparison table between JIS and corresponding International Standard21

Foreword

This Japanese Industrial Standard has been 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 Plastic Sheet Association (JPSA)/The Japan Plastics Industry Federation (JPIF)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (JIS K 6745 : 2015), which has been technically revised.

This **JIS** document is protected by the Copyright Act.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.

Plastics — Unplasticized poly (vinyl chloride) sheets

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 11833-1** : 2019, Edition 4, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JC. Annex JA and Annex JB are unique to **JIS** and not given in the corresponding International Standard.

1 Scope

This Standard specifies the requirements for flat extruded sheets and pressed sheets of unplasticized poly (vinyl chloride) (hereafter referred to as sheets). It applies only to sheets of thickness not less than 1.0 mm. It does not cover biaxially stretched poly (vinyl chloride) sheets <u>or embossed sheets</u>.

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

ISO 11833-1 : 2019 Plastics — Unplasticized poly (vinyl chloride) sheets — Part 1: Types, dimensions and characteristics for sheets of thickness not less than 1 mm (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 21-1**.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent editions (including amendments) shall be applied.

JIS B 7502 Micrometers
JIS B 7503 Mechanical dial gauges
JIS B 7507 Geometrical product specifications (GPS) — Dimensional measuring equipment — Vernier, dial and digital callipers
JIS B 7512 Steel tape measures
JIS B 7516 Metal rules
JIS K 6740-1 Plastics — Unplasticized poly (vinyl chloride) (PVC-U) moulding and

PROTECTED BY COPYRIGHT