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Rigid PVC corrugated sheets

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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 Rigid P.V.C Sheet Association (PSMAJ)/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 A 5702:1993** 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.

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Rigid PVC corrugated sheets

1 Scope This Japanese Industrial Standard specifies the rigid PVC corrugated sheets (hereinafter referred to as “corrugated sheets”) to be mainly used for buildings.

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 7512 *Steel tape measures*

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

JIS K 7211-1 *Plastics—Determination of puncture impact behaviour of rigid plastics—Part 1: Non-instrumented impact testing*

JIS R 3413 *Textile glass yarns*

3 Classification

3.1 Classification according to presence of net and to thickness The corrugated sheets shall be classified as shown in table 1 according to presence of net and to the thickness.

Table 1 Classification according to presence of net and to thickness

Unit: mm

Type	Condition	
	With or without net	Nominal thickness
No. 2	Without net	0.8, 1.0, 1.5
No. 4	With glass net	0.9

NOTE : For indication of type, “No.” may be omitted.

3.2 Classification according to shape The corrugated sheets shall be classified as shown in table 2 according to shape.

Table 2 Classification according to shape

Unit: mm

Classification	Pitch (p)
Corrugation 32	Approx. 32
Corrugation 63	Approx. 63
Corrugation 76	Approx. 76

NOTE : For indication of type, “Corrugation” may be omitted.

4 Quality

4.1 Appearance The corrugated sheet shall be free from harmful defects such as flaws and foreign matters.

4.2 Bending strength and impact strength Bending strength and impact strength of the corrugated sheets shall be tested in accordance with **8.3** and **8.4** and the results shall conform to the requirements specified in table 3.

Table 3 Bending strength and impact strength

Test item			Performance	Applicable sub-clause
Bending strength	Shape	Thickness (mm)	Deflection mm ⁽¹⁾	8.3
	Corrugation 32	0.8	70 max.	
		0.9		
		1.0	60 max.	
	Corrugation 63	1.0	80 max.	
		1.5	40 max.	
	Corrugation 76	1.0	80 max.	
Impact strength			No through-hole shall be produced.	8.4

Note (1) Deflection (mm) = Actual deflection of test piece (mm) × [width of test piece (mm)/720 (mm)]

5 Shape, dimensions and tolerances

5.1 The shape and dimensions of the corrugated sheets, when tested in accordance with **8.2**, shall be as given in table 4 and figure 1.

5.2 Tolerances on dimensions, when tested in accordance with **8.2**, shall be as given in table 5.

Table 4 Shapes and dimensions

Unit: mm

Classification	Length l	Width w	Thickness t_1, t_2	Depth of vale h	Number of crests (informative)
Corrugation 32	1 820	655	0.8	9	20.5
	2 120		0.9		
	2 420		1.0		
Corrugation 63	2 730	720	1.0	15	11.5
	3 030		1.5	18	
Corrugation 76	3 640	720	1.0	18	9.5

NOTE : The length and width of products other than specified above may be determined by agreement between the parties concerned.