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**BUILDING MATERIALS INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JC/T 2166-2013

Polyvinyl butyral (PVB) interlayer for laminated glass

夹层玻璃用聚乙烯醇缩丁醛(PVB)胶片

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed by China Building Materials Federation.

This standard is under the jurisdiction of the National Technical Committee on Architectural Glass of Standardization Administration of China (SAC/TC 255).

Drafting organizations of this standard: China Building Material Test & Certification Center, Zhejiang Shengrui Plastic Co., Ltd.

This standard is issued for the first time.

1 Scope

This standard specifies the terms and definitions, product classification, technical requirements, test methods, inspection rules, as well as marking, packaging, transportation and storage of polyvinyl butyral (PVB) interlayer for laminated glass.

This standard is applicable to polyvinyl butyral (PVB) interlayer for architectural laminated glass and automotive laminated glass. Interlayers for other laminated glass may be used by reference.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the edition cited applies to this document. For undated references, the

latest edition of the referenced document (including any amendments) applies to this document.

GB/T 1040.1-2006/ISO 527-1:1993 Plastics - Determination of tensile properties - Part 1: General principles

GB/T 1040.3-2006/ISO 527-3:1995 Plastics - Determination of tensile properties - Part 3: Test conditions for films and sheets

GB/T 2680-1994 Glass in building - Determination of light transmittance, solar direct transmittance, total solar energy transmittance, ultraviolet transmittance and related glazing factors

HG/T 3862-2006 Test method for yellowness index of plastics

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 crystal particle

Crystal-like, colourless or slightly yellowish transparent spot-like matter appearing inside the interlayer; it is usually a substance of non-uniform optical density formed by uneven melting of the raw material in the melt or by additives during cooling and shaping.

3.2 ripple

Linear marks produced on the product surface by fluctuation of the cooling water surface during the production of the interlayer.

3.3 bubble

Gas in bubble form that was not completely expelled during the production of the interlayer and remains in the product.

3.4 burnt point

Spot that has decomposed and turned yellow or black during the production of the interlayer.

3.5 impurity

Other visible matter, incompatible with the interlayer, entrained in the interlayer product.

3.6 oil drop

Spot-like oil stain present on the surface of the interlayer.

3.7 bead

Tear-shaped dripped matter adhering to the surface of the product.

4 Product classification

4.1

By nominal thickness, the product is classified as 0.38 mm, 0.76 mm and 1.52 mm.

4.2

By colour, the product is classified as colourless interlayer and coloured interlayer.

4.3

By application, the product is classified as interlayer for architectural use and interlayer for automotive use.

4.4

By storage condition, the product is classified as interlayer stored at room temperature and interlayer for refrigerated storage.

5 Technical requirements

5.1

The technical requirements of interlayer for architectural laminated glass shall comply with Table 1.

Table 1 Technical requirements of interlayer for architectural laminated glass