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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JG/T 116-2012

Replacing JG/T 116-1999

Polycarbonate multiwall sheet

(English Translation)

Issued on: January 1, 1970 **Implemented on: January 1, 1970**

Issued by: Ministry of Housing and Urban-Rural Development of the People's Republic of China

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Foreword

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

This standard replaces the JG/T 116-1999.

This standard is the revision of JG/T 116-1999 "polycarbonate (PC) hollow plate", compared with the JG/T 116-1999 main technical changes as follows.

--- Increased drop hammer impact (perforated characteristics) of the determination;

--- Increased the haze, weatherability requirements;

--- Increased the haze, the definition of the term yellow index;

--- Increased the Poisson's ratio of polycarbonate raw materials;

--- Increased shading coefficient, sound insulation performance, bearing capacity requirements;

--- Modify the model representation;

--- Modify the size deviation requirements;

--- Modify the requirements of light transmittance;

--- Modify the product classification.

This standard uses the redrafted law, modify the use of ISO 11963.:1995 "Polycarbonate sheet type, size and characteristics," and the main technical differences of ISO 11963.:1995 are as follows.

--- Increased size measurement methods, part of the test methods used by the national standards;

--- Increased product classification and identification;

--- Increased drop hammer impact (perforated characteristics) of the determination;

--- Increased linear expansion coefficient determination method;

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--- Increased the haze, weatherability requirements;

--- Increased the Poisson's ratio of polycarbonate raw materials;

--- Increased shading coefficient, sound insulation performance, bearing capacity requirements;

--- Modify the size deviation requirements;

--- Modify the light transmittance requirements.

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Construction Building Components Standardization Technical Committee centralized.

1 Scope

This standard specifies the polycarbonate (PC) hollow plate terms and definitions, classification and marking, raw materials, requirements, test methods, test rules Then, mark, package, transport, store.

This standard applies to general-purpose industrial and civil use of polycarbonate (PC) hollow plate (hereinafter referred to as "hollow plate", identified as PCK).

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Plastics - Determination of 30 ° C ~ 30 ° C linear expansion coefficient Quartz dilatometer method GB/T 1036-2008 Plastics - Determination of tensile properties - Part 1. General GB/T 1040.2-2006 Plastics - Determination of tensile properties - Part 2. Test conditions for molding and extrusion of plastics GB/T 1634.2-2004 Determination of plastic deformation temperature load - Part 2. plastic, hard rubber and long fiber reinforced composite material Transparent plastics - Determination of light transmittance and haze GB/T 2410-2008 GB/T 2411-2008 Plastics and hard rubbers Determination of indentation hardness (Shore hardness) using a durometer GB/T 2680-1994 Building Glass Visible light transmittance, direct sunlight transmittance, total solar transmittance, ultraviolet transmission Than the determination of the parameters of the window glass GB/T 2828.1-2003 Sampling procedures for sampling inspection - Part 1. batch acceptance inspection by acceptance quality limit (AQL) sampling plan GB/T 2918-1998 plastic sample conditioning and testing of the standard environment Building exterior doors and windows thermal insulation performance classification and testing methods GB/T 8484-2008 Building materials and

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products combustion rating Plastics - Determination of bending properties GB/T 9341-2008 Color building materials - Measurement of colorimetric method GB/T 11942-1989 General rules for drop weight impact test methods for hard plastics Testing methods for airtight, watertight and wind pressure resistant performance of curtain wall of building GB/T 15227-2007 Plastics laboratory exposure test methods - Part 1. General GB/T 16422.2-1999 plastic laboratory exposure test methods - Part 2. Xenon arc lamp Architectural glass lighting roofs ISO 6603-2.:2000 Punching properties of plastics, rigid plastics - Part 2. Instrumented impact test Plastics - Yellow index test method

3 Terms and definitions

GB/T 2410 and HG/T 3862 define the following terms and definitions apply to this document.

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