

ICS 91.120.10

CCS Q25



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 25997-2020

Replacing GB/T 25997-2010

Polyisocyanurate (PIR) products for thermal insulation

绝热用聚异氰脲酸酯制品

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 25997-2010 "polyisocyanurate products for thermal insulation", compared with GB/T 25997-2010, except for editing The main technical changes outside the sexual modification are as follows:

- Modify the classification and product marking (see 4.1, 4.2,.2010 version 4.1, 4.2);
- Modified the appearance quality requirements and test methods (see 5.1.1, 6.2,.2010 version 5.1, 6.3);
- Modify the size tolerance and test method of Class A product board (see 5.1.2, 6.3, 6.3 of.2010 edition);
- Modify the requirements of thermal conductivity (average temperature 25°C, -20°C), delete the requirement of average temperature 70°C thermal conductivity (see 5.1.3, version
- Increased core density requirements and test methods (see 5.1.3, 6.3);
- Increased requirements and test methods for closed cell rate (see 5.1.3, 6.9);
- Modified the compressive strength requirements and test methods (see 5.1.3, 6.5, 5.3, 6.4 of the.2010 edition);
- Modify the dimensional stability requirements and test methods (see 5.1.3, 6.7, 5.3, 6.6 of the.2010 edition);
- Modify the requirements and test methods of the moisture permeability coefficient (see 5.1.3, 6.8, 5.3, 6.7 of the.2010 edition);

1 Scope

GB/T 25997-2020 is the Chinese national standard on polyisocyanurate (pir) products for

thermal insulation, in the field of construction materials and building. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 2 June 2020 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2021. Classification: ICS 91.120.10, CCS Q25. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard stipulates the classification and marking, requirements, test methods, inspection rules and markings, and markings of polyisocyanurate products (PIR) for thermal insulation Sign, pack, transport and store. This standard applies to polyisocyanurate produced with polyol/polyisocyanate as the main raw material at a temperature of -183°C~150°C Ester products.

2 Room temperature test

GB/T 2918-2018 Standard environment for plastic sample condition adjustment and testing

GB/T 4132 Thermal insulation materials and related terms

GB/T 5480 Test method for mineral wool and its products

GB/T 5486 Test method for inorganic rigid insulation products

GB/T 6342 Determination of linear dimensions of foamed plastic and rubber

GB/T 6343 Determination of Apparent Density of Foam Plastic and Rubber

GB 8624-2012 Classification of combustion performance of building materials and products

GB/T 8810 Determination of water absorption of rigid foam

GB/T 8811 rigid foam plastic dimensional stability test method

GB/T 8813 Determination of compressive properties of rigid foam plastics

GB/T 10294 Determination of steady-state thermal resistance and related characteristics of thermal insulation materials

GB/T 10295 Determination of steady-state thermal resistance and related characteristics of thermal insulation materials

GB/T 10799 Determination of open and closed cell volume percentage of rigid foam

GB/T 17146 Test method for water vapor permeability of building materials and their products

3 Terms and definitions

The terms and definitions defined in GB/T 4132 apply to this document.

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