

ICS 81,040.20

Q 33



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

中华人民共和国国家标准

GB/T 18144-2008

Replaces GB/T 18144-2000

**Test method for measurement of stress
in glass**

玻璃应力测试方法

Issued on October 15, 2008

Implemented on June 1, 2009

Issued by General Administration of Quality Supervision, Inspection
and Quarantine of the People's Republic of China

Standardization Administration of the People's Republic of
China

Contents

Foreword	1
1 Scope	2
2 Normative references	2
3 Terms and definitions	2
4 Test Method	3

Foreword

The consistency of this standard with the ASTM standard ASTM C1279-05 *Test Method for Non-Destructive Photoelastic Measurement of Surface and Edge Stresses in Annealed Glass, Half-Toughened Glass, and Toughened Glass*, and ASTM C1048-04 *Heat-Strengthened Flat Glass-HS Class, FT Class Coating and Non-Coating Glass* is not equivalent to that of Japanese industrial technology standard JIS R3222-2003 *Half-Toughened Glass*.

This standard replaces GB/T 18144—2000 *Test method for measurement of stress in glass*.

This standard, in comparison with GB/T 18144—2000, have the major changes as follows:

- Laminated glass applied to car's front windshield and hot bending glass are added into and annealed glass is removed from the scope;
- Increase NDT method for measurement of edge stress in glass with coating;
- Specific values of instruments' constants of the surface stress meter and edge stress meter are not reflected in the standard.

This Standard is put forward by China Building Materials Federation.

This standard is centralized by the National Architectural Glass Standardization Technical Committee.

This Standard is drafted by: China Building Material Test & Certification Center.

The main drafters of this Standard are: Xiao Pengjun, Wang Jingjing, Lu Fan.

The information concerning the previous versions of the Standard replaced by the Standard is as follows:

- GB/T 18144—2000.

Test method for measurement of stress in glass

1 Scope

This standard stipulates the definitions and methods related to the tests on surface stress and edge stress of glass. In this standard, the method of surface stress test is suitable for toughened glass and half-toughened glass made of float glass; the method of edge stress test is fit for toughened glass, half-toughened glass, laminated glass of car's front windshield, and hot bending glass.

For chemical toughened glass, please refer to the method of surface stress test in this standard.

This test method is a method of nondestructive measurement.

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

JC/T 632 Road vehicles-safety glazing materials-terminology

3 Terms and definitions

For the purpose of this standard, the following terms and definitions and those established in JC/T 632 apply.

3.1

Polarizer

A kind of optical device, through which natural light becomes plane-polarized light with a certain vibration direction, and which is usually placed between the light source and samples under test.

3.2

Analyzer

A kind of optical device, through which natural light becomes plane-polarized light with a certain vibration direction, and which is usually placed between the observer and samples under test., also called analyzing glass.

完整版本请在线下单/Order Checks Online for Full Version

联系我们/or Contact :

TEL: 400-678-1309

QQ: 19315219 | Skype: Lancarver

Email : info@lancarver.com

<http://www.lancarver.com>

线下付款方式 :

I. 对公账户 :

单位名称 : 北京文心雕语翻译有限公司

开户行 : 中国工商银行北京清河镇支行

账 号 : 0200 1486 0900 0006 131

II. 支付宝账户 : info@lancarver.com

III. Paypal: info@lancarver.com

注: 付款成功后, 请预留电邮, 完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱, 如需索取发票, 下单成功后的三个工作日内安排开具并寄出, 预祝合作愉快!

NOTE All documents on the store are in electronic Adobe Acrobat PDF format, there is not sell or ship documents in hard copy. Mail the order and payment information to info@lancarver.com, you will shortly receive an e-mail confirming your order.

