

ICS 17.180
CCS N 30



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

GB/T 26332.3-2015

**Optics and photonics -- Optical coatings -- Part 3:
Environmental durability**

光学和光子学 光学薄膜 第3部分：环境适应性

(English Translation)

Issued on: December 10, 2015

Implemented on: July 1, 2016

Issued by: Standardization Administration of China

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Foreword

GB/T 26332 "Optics and Photonics optical film" is divided into four parts.

- Part 1. Definitions;
- Part 2. Optical properties;
- Part 3. environmental adaptability;
- Part 4. Test methods prescribed.

This is Part 3 GB/T 26332 of.

This section uses the translation method identical with ISO 9211-3:2008 "Optics and photonics optical film - Part 3. Environmental Adaptability" (In English).

This section drafted in accordance with GB/T 1.1-2009 given rules.

Consistency correspondence between this part of international documents and normative references of our files are as follows.

- GB/T 12085.1-2010 and optical instruments - Environmental test methods - Part 1. Terminology, test range (ISO 9022-1:1994, MOD)
- GB/T 12085.2-2010 and optical instruments - Environmental test methods - Part 2. Low temperature, heat, humidity (ISO 9022-2:2002, MOD)
- GB/T 12085.4-2010 and optical instruments - Environmental test methods - Part 4. salt spray (ISO 9022-4:2002, MOD)

--- GB/T 12085.6-2010 and optical instruments - Environmental test methods - Part 6. Sand and dust (ISO 9022-6:1994, MOD)

--- GB/T 12085.9-2010 and optical instruments - Environmental test methods - Part 9. Solar radiation (ISO 9022-9.

1994, MOD)

--- GB/T 12085.11-2010 Optics and optical instruments - Environmental test methods - Part 11. mildew (ISO 9022-11.

1994, MOD)

--- GB/T 12085.12-2010 Optics and optical instruments - Environmental test methods - Part 12. Pollution (ISO 9022-12.

1994, MOD)

--- GB/T 12085.14-2010 Optics and optical instruments - Environmental test methods - Part 14. dew, frost, ice (ISO 9022-14:1994, MOD)

--- GB/T 26332.4-2015 optics and photonics, optical film - Part 4. Test methods prescribed (ISO 9211-4:2012, IDT) this section is proposed and managed by the China Machinery Industry Federation.

This section is drafted. Shenyang Academy of Instrumentation Science Co., Ltd., Dalian Institute of Chemical Physics, Tongji University, Zhejiang University, Shenyang Bo Optical Company, Hangzhou Keting Optical Technology Co., Ltd., National Instruments Component Quality Supervision and Inspection Center.

1 Scope

GB/T 26332 specifies the application functions in optical components and coating the surface of the substrate made of optical film classification, specification standards Presentation of conventional characteristics and test methods of measurement, but the provisions are not intended to be used plating methods.

This section specifies the conditions of use of the optical film classification, and identified the ring as proof optical film meet the technical requirements needed to carry out the Environmental test. Terms and scope of the test is given in the ISO 9022-1.

This section does not apply to ophthalmic optics (spectacles) optical film.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 9022-1 Optics and optical instruments - Environmental test methods - Part 1. Terminology, test range (Opticsandopticalin-struments-Environmentaltestmethods-Part 1. Definitions, extentoftesting) ISO 9022-2 Optics and optical instruments - Environmental test methods - Part 2. Low temperature, heat, humidity (Opticsandoptical instruments-Environmentaltestmethods-Part 2. Cold, heatandhumidity) ISO 9022-4 Optics and optical instruments - Environmental test methods - Part 4. Salt Spray (Opticsandopticalinstruments-Environmentaltestmethods-Part 4. Saltmist) ISO 9022-6 Optics and optical instruments - Environmental test methods - Part 6. Sand and dust (Opticsandopticalinstruments-Environmentaltestmethods-Part 6. Dust) ISO 9022-9:1994 Optics and optical instruments - Environmental test methods - Part 9. Solar radiation (Opticsandopticalin-struments-Environmentaltestmethods-Part 9. Solarradiation) ISO 9022-11 Optics and optical instruments - Environmental test methods - Part 11. mildew (Opticsandopticalinstru-ments-Environmentaltestmethods-Part 11. Mouldgrowth) ISO 9022-12 Optics and optical instruments - Environmental test methods - Part 12. Pollution (Opticsandopticalinstru-ments-Environmentaltestmethods-Part 12. Contamination) ISO 9022-14 Optics and optical instruments - Environmental test methods - Part 14. dew, frost, ice (Opticsandopticalinstru-ments-Environmentaltestmethods-Part 14. Dew, hoarfrost, ice) ISO 9211-4 Optics and optical instruments optical film - Part 4. Test methods specified (Opticsandopticalinstru-ments-Opticalcoatings-Part 4. Specificicestmethods)

3.1 Type Definition

According to the severity of the environment defines five types of conditions. Each type requires a different test methods and environment (Or) different test severities. Use in accordance with the following severities needs these types of lists.