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# NATIONAL STANDARD OF THE

# PEOPLE'S REPUBLIC OF CHINA

# GB/T 7962.1-2026

Replacing GB/T 7962.1-2010

## Test methods of colourless optical glass-Part 1: Refractive index and coefficient of dispersion

无色光学玻璃测试方法 第1部分：折射率和色散系数

**(English Translation)**

**Issued on: October 30, 2026** **Implemented on: May 1, 2027**

**Issued by: State Administration for Market Regulation;**
**Standardization Administration of China**

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## 1 Foreword

GB/T 7962.1-2026 was issued by State Administration for Market Regulation; Standardization Administration of China on 30 October 2026 and takes effect on 1 May 2027.

It replaces the earlier edition GB/T 7962.1-2010, GB/T 7962.1-1987.

It is one of 46 parts of the GB/T 7962 series.

## 2 Scope Preview

GB/T 7962.1-2026 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 76,457 other GB/T standards.

Of the 47,415 GB/T standards that do carry an ICS number, 3,437 (7%) fall under ICS 77, in the field of metallurgy.

## 3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of China

## 4 Related standards

Other parts of this standard:

GB/T 7962.2-1987 - Colourless optical glass test methods--Test method by collimator for optical homogeneity

GB/T 7962.2-2010 - Test methods of colourless optical glass - Part 2: Optical homogeneity - Fizeau plano-interferometry



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GB/T 7962.3-1987 - Colourless optical glass test methods--Test method by holographic interference for optical homogeneity

GB/T 7962.3-2010 - Test methods of colourless optical glass - Part 3: Optical homogeity - Holographic interferometry

GB/T 7962.4-1987 - Colourless optical glass test methods--Test method by multiple beam spherical interference for optical homogeneity

GB/T 7962.4-2010 - Test methods of colourless optical glass - Part 4: Temperature coefficient of refractive index

GB/T 7962.5-1987 - Colourless optical glass test methods--Middle stress birefringence

GB/T 7962.5-2010 - Test methods of colourless optical glass - Part 5: Stress birefringence

GB/T 7962.6-1987 - Colourless optical glass test methods--Edge stress birefringence

GB/T 7962.6-2010 - Test methods of colourless optical glass - Part 6: Young's modulus,shear modulus and Poisson's ratio

GB/T 7962.7-1987 - Colourless optical glass test methods. Examination method for extent of stria

GB/T 7962.7-2025 - Test methods of colourless optical glass - Part 7: Extent of striae

GB/T 7962.8-1987 - Colourless optical glass test methods--Examination method for extent of bubble

GB/T 7962.8-2010 - Test methods of colourless optical glass - Part 8: Bubble

GB/T 7962.9-1987 - Colourless optical glass test methods--Coefficient of optical absorption

GB/T 7962.9-2010 - Test methods of colourless optical glass - Part 9: Coefficient of optical absorption

GB/T 7962.10-1987 - Colourless optical glass test methods--Radiation stability of radiation stable

GB/T 7962.10-2010 - Test methods of colourless optical glass - Part 10: X-rays stability

GB/T 7962.11-1987 - Colourless optical glass test methods--Precise test method for refractive index

GB/T 7962.11-2010 - Test method for colourless optical glass - Part 11: Precise test method for refractive index in the visible wave band

GB/T 7962.12-1987 - Colourless optical glass test methods--Spectral internal transmittance

GB/T 7962.12-2010 - Test methods of colourless optical glass - Part 12: Spectral internal transmittance



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GB/T 7962.13-1987 - Colourless optical glass test methods. Coefficient of thermal conductivity

GB/T 7962.13-2025 - Test methods of colourless optical glass - Part 13: Thermal conductivity

GB/T 7962.14-1987 - Colourless optical glass test methods--Resistance to acid

GB/T 7962.14-2010 - Test methods of colourless optical glass - Part 14: Resistance to acid

GB/T 7962.15-1987 - Colourless optical glass test methods--Resistance to humidity

GB/T 7962.15-2010 - Test methods of colourless optical glass - Part 15: Resistance to humidity

GB/T 7962.16-1987 - Colourless optical glass test methods--Linear thermal expansion coefficient and transformation temperature

GB/T 7962.16-2010 - Test methods of colourless optical glass - Part 16: Linear thermal expansion coefficient, transformation temperature and yield point temperature

GB/T 7962.17-1987 - Colourless optical glass test methods--Least deviation angular test method for refractive index in the ultraviolet and infrared wave band

GB/T 7962.17-2010 - Colourless optical glass test methods - Part 17: Autocollimation test method for refractive index in the ultraviolet and infrared wave band

GB/T 7962.18-1987 - Colourless optical glass test methods--Autocollimation test method for refractive index in the ultraviolet and infrared wave band

GB/T 7962.18-2010 - Test methods of colourless optical glass - Part 18: Knoop hardness

GB/T 7962.19-1987 - Colourless optical glass test methods--Relative lapping hardness

GB/T 7962.19-2010 - Test methods of colourless optical glass - Part 19: Abration factor

GB/T 7962.19-2026 - Test methods of colourless optical glass-Part 19: Abrasion factor

GB/T 7962.20-1987 - Colourless optical glass test methods--Density

GB/T 7962.20-2010 - Test methods of colourless optical glass - Part 20: Density

GB/T 7962.21-1987 - Colourless optical glass test methods--Knoop hardness

GB/T 7962.21-2019 - Test method of colourless optical glass -- Part 21: Resistance to attack by aqueous alkaline solutions

GB/T 7962.22-1987 - Colourless optical glass test methods--Temperature coefficient of refractive index

GB/T 7962.22-2019 - Test method of colourless optical glass -- Part 22: Resistance to attack by aqueous alkaline phosphate-containing



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GB/T 7962.23-1987 - Colourless optical glass test methods--Youngmodulus torsional rigidity modulus Poissonratio

GB/T 7962.23-2019 - Test method of colourless optical glass - Part 23: Resistance to climatic

Other editions:

GB/T 7962.1-2010 (earlier edition)

GB/T 7962.1-1987 (earlier edition)

## 5 Classification and status

Prefix GB/T: recommended standard.



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