

管理编号: JCBG-6301

Management No.:



201719121470

# 建筑玻璃光学热工性能

Optical and Thermal Performance of Architectural Glass

## 检 测 报 告

## TEST REPORT

产品名称: Low-E 中空玻璃 (6+12Ar+6C)

Specimen Name: 6mm blue gray Low-E glass + 12Argon gas + 6mm clear glass, double tempered

委托单位: 佛山市万加门窗有限公司

Client: Foshan Wanjia Window and Door Co., Ltd

检测类别: 来样、产品检测(普通检验)

Test Type: Specimen Sent by Client, Test for Specimen (Common Test)

报告编号: D2021(63)00069

Report No.:

广东省建设工程质量安全检测总站有限公司

Guangdong Construction Engineering Quality & Safety Testing Head station Co., Ltd.

2021年2月5日

Feb. 5th, 2021

(4)



## 建筑玻璃光学热工性能检测报告

Test Report for Optical and Thermal Performance of Architectural Glass

报告编号: D2021(63)00069

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委托单位 Client	佛山市万加门窗有限公司 Foshan Wanjia Window and Door Co., Ltd		
生产厂家 Manufacturer	佛山市万加门窗有限公司 Foshan Wanjia Window and Door Co., Ltd		
产品名称 Specimen Name	Low-E 中空玻璃 (6+12Ar+6C) 6mm blue gray Low-E glass + 12Argon gas + 6mm clear glass , double tempered		
型号规格 Type Specification	6mmLow-E 玻璃+12Ar+6mm 透明玻璃 6mm Low-E glass+12Ar+6mm clear glass	送样日期 Sample Date	2021 年 1 月 11 日 Jan, 11th, 2021
试件编号 Specimen No.	YD2021(63)00011	样品数量 Sample Qty	三件 Three
检测类别 Test Type	来样、产品检测(普通检验) Specimen Sent by Client, Test for Specimen (Common Test)	检测日期 Test Date	2021 年 1 月 12 日 Jan, 12th, 2021
检测依据及 检测方法 Test Basis & Test Method	《建筑玻璃可见光透射比、太阳光直接透射比、太阳能总透射比、紫外线透射比及有关窗玻璃参数的测定》GB/T 2680-1994 《Determination of light transmittance,solar direct transmittance,total solar energy transmittance and ultraviolet transmittance for glass in building and related glazing factors》GB/T 2680-1994 《建筑门窗玻璃幕墙热工计算规程》JGJ/T 151-2008 《Calculation specification for thermal performance of windows,door and glass curtain-walls》JGJ/T 151-2008		
检测项目 Test Items	可见光透射比、遮阳系数、传热系数 Visible Transmittance,Shading Coefficient,Thermal Transmittance		
检测仪器 Test Equipment	紫外/可见/近红外分光光度计、傅立叶变化红外光谱仪 UV/VIS/NIR Spectrometer, Fourier Transform infrared spectroscopy		
检测结论 Test Conclusion	检测项目 Test Items	设计要求 Design Requirements	检测结果 Test Results
	可见光透射比 Visible Transmittance	---	35 %
	遮阳系数 Shading Coefficient	---	0.32
	传热系数 W/(m <sup>2</sup> ·K) Thermal Transmittance	---	1.52
	签发日期: 2021 年 2 月 5 日 Issuing Date: Feb, 5th, 2021		
备注 NOTE	1、产品描述: Low-E 中空玻璃 (6+12Ar+6C), 外片为 6mm Low-E 玻璃, 气体层为 80% 氩气、20% 空气的混合气体, 镀膜面为第二面, 委托方提供的镀膜型号为 "LOW-E", 内片为 6mm 透明玻璃; 1, Descriptions of the Specimen: 6mm blue gray Low-E glass + 12Argon gas + 6mm clear glass , outside sheet is 6mm blue gray Low-E glass, gas layer is 80% argon gas and 20% air mixture gas, coating surface is the second side, coating model provided by the client is Low-E, inside sheet is 6mm clear glass; 2、附图: 图 1~图 8; 2, Figure: Figure 1 ~ Figure 8; 3、如果中文版和英文版有区别, 请以中文版为准。 3, Please resort to the Chinese edition if there is difference between the Chinese edition and the English edition.		

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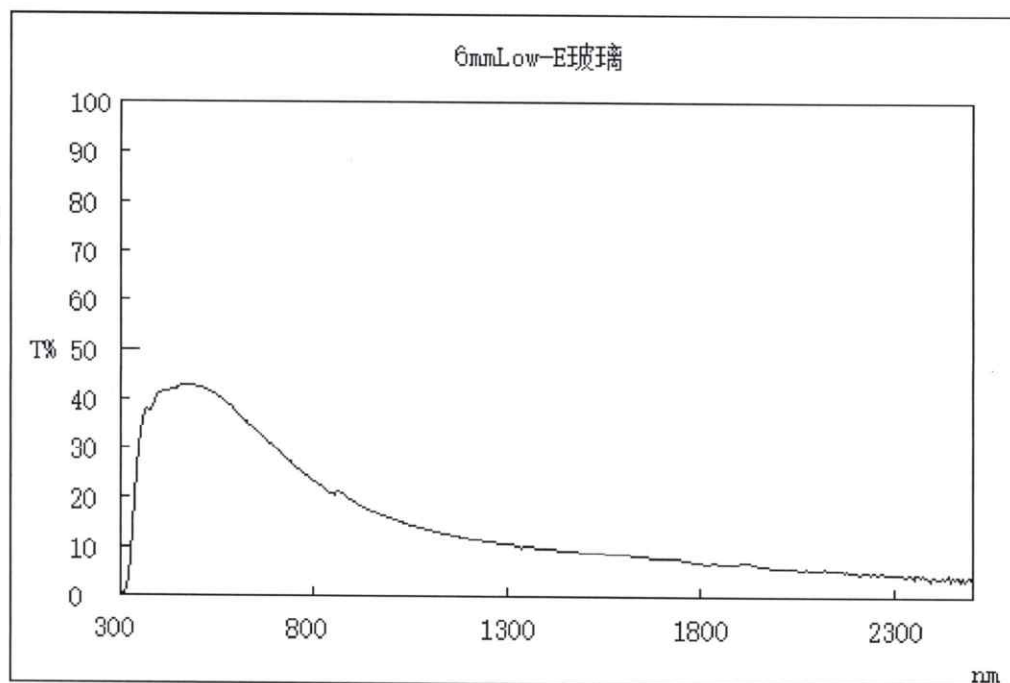


图 1 6mmLow-E 玻璃太阳光透射比曲线

Figure 1 Graph of Solar direct transmittance for 6mm blue gray Low-E glass

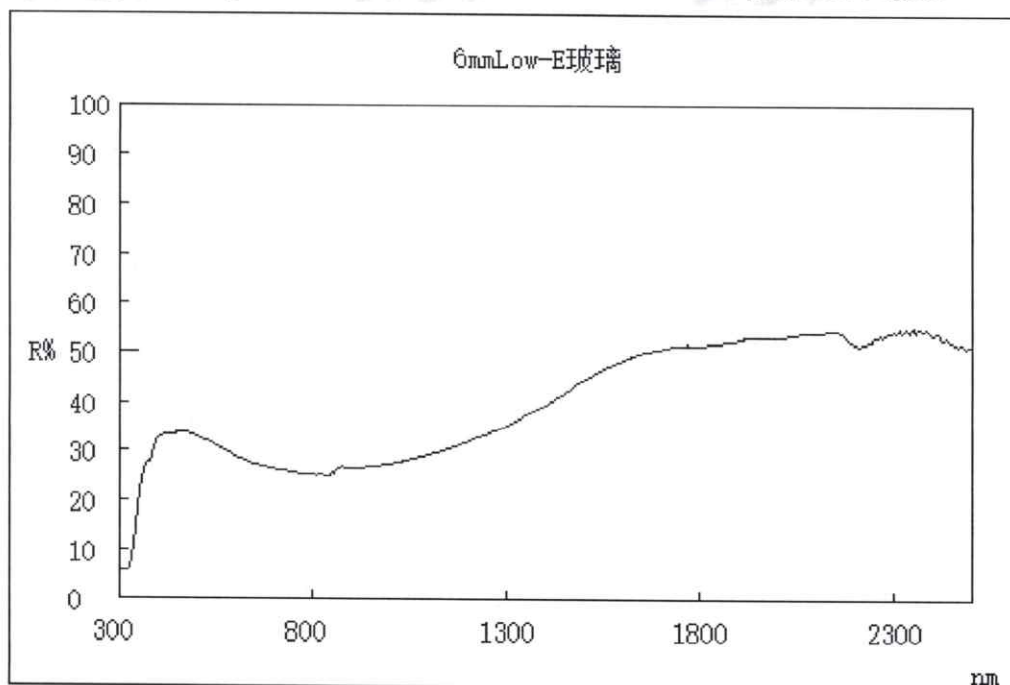


图 2 6mmLow-E 玻璃太阳光反射比曲线 (玻璃面)

Figure 2 Graph of Solar direct reflectance for 6mm blue gray Low-E glass (glass surface)

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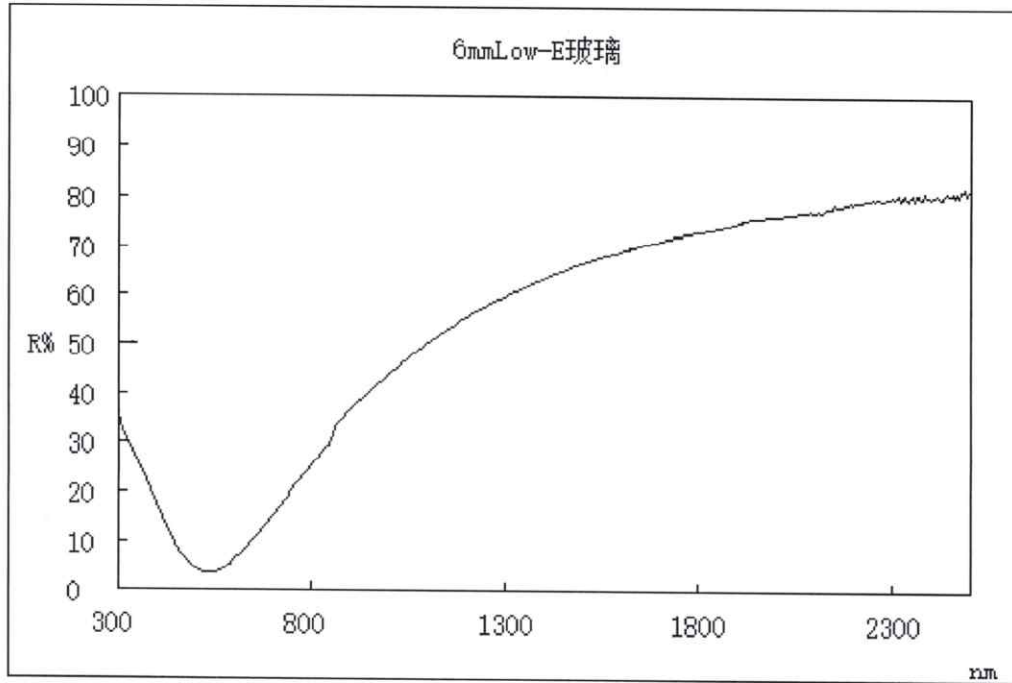


图 3 6mmLow-E 玻璃太阳光反射比曲线 (膜面)

Figure 3 Graph of Solar direct reflectance for 6mm blue gray Low-E glass (coating surface)

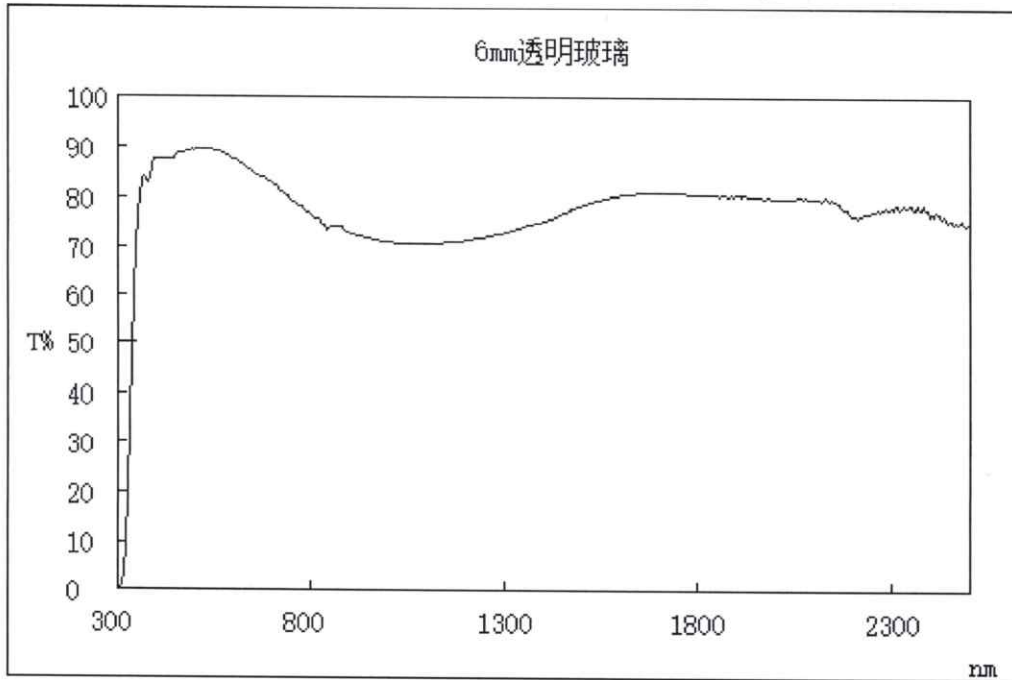


图 4 6mm 透明玻璃太阳光透射比曲线

Figure 4 Graph of Solar direct transmittance for 6mm clear glass

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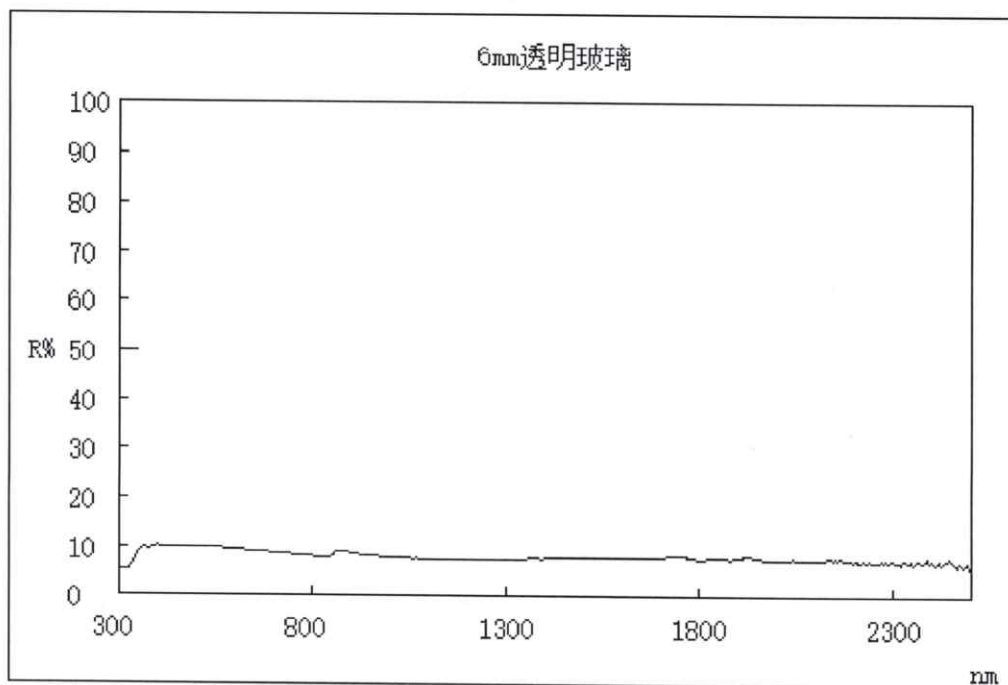


图 5 6mm 透明玻璃太阳光反射比曲线 (前、后面)

Figure 5 Graph of Solar direct reflectance for 6mm clear glass (front/back)

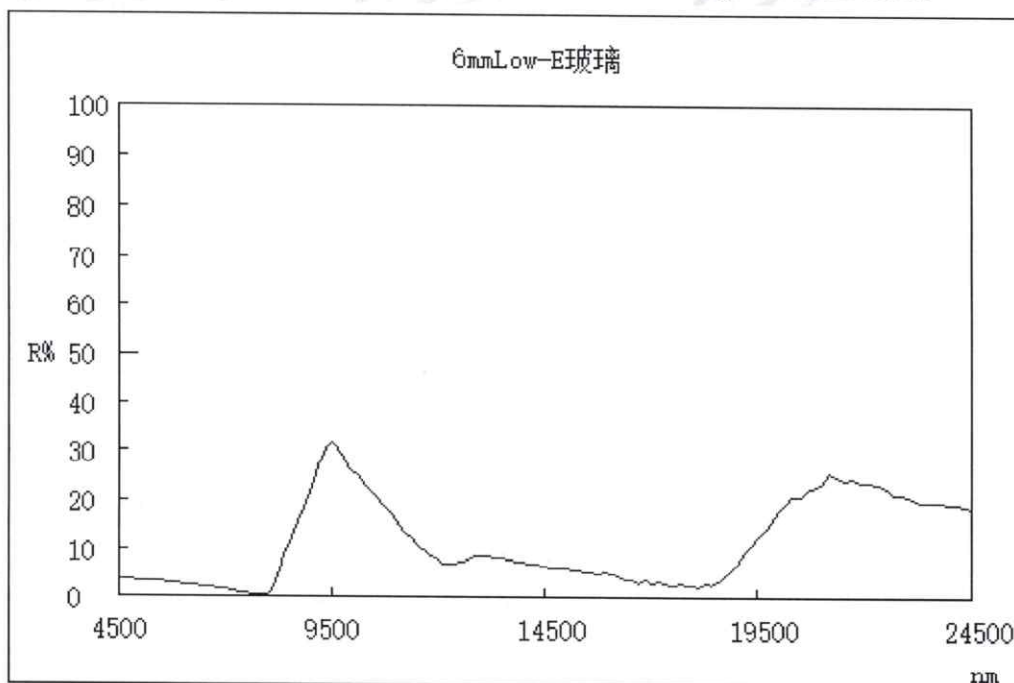


图 6 6mmLow-E 玻璃热辐射光谱反射比曲线 (玻璃面)

Figure 6 Spectral reflectance of thermal radiation for 6mm blue gray Low-E glass

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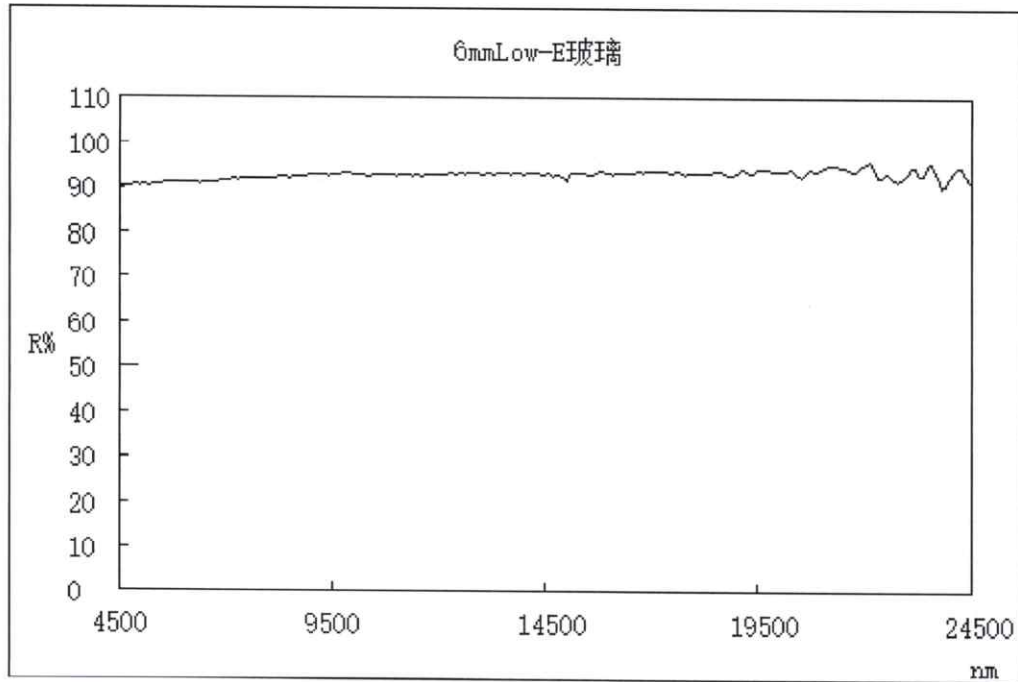


图 7 6mmLow-E 玻璃热辐射光谱反射比曲线 (膜面)

Figure 7 Spectral reflectance of thermal radiation for 6mm blue gray Low-E glass (coating surface)

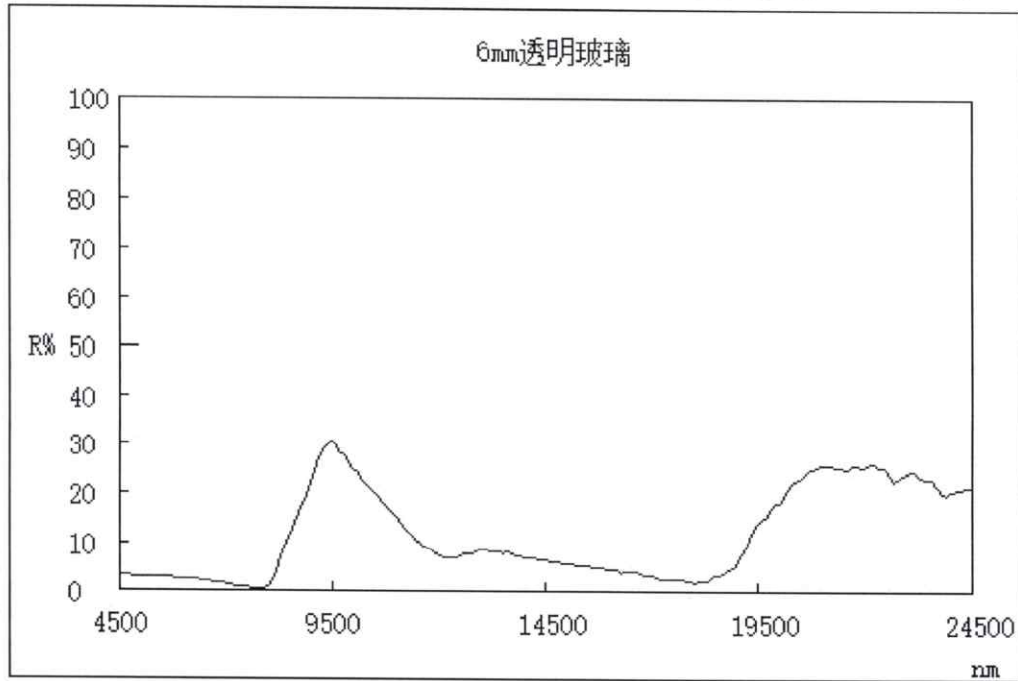


图 8 6mm 透明玻璃热辐射光谱反射比曲线 (前、后面)

Figure 8 Spectral reflectance of thermal radiation for 6mm clear glass (front /back)

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