

NCKU Research and Development Foundation Glass Optical and Thermal Performance Testing Report

Report No. RD202408-01

成大研究發展基金會
NCKU Research and Development Foundation

Glass Optical and Thermal Performance Testing Report

Applicant: No. 2 West Hu Shue Computer Center
Address: 101 Taiwan Street, Qiyuan Campus, Kaohsiung, Taiwan

Description	Order Optical and Thermal Performance Data	Mfg.	No. 2 West Hu Shue Computer Center
Model No.	Double-Layer (Low-E)	AGC	1220-9999-01
Testing Date	14th Oct 2024	Report Date	2024.10.27
Inspector	許大為 (S.H. Hsu)	許大為 (S.H. Hsu)	2024.10.27
Testing Item	Optical performance of building material testing laboratory, Research Center for Energy Technology and Storage, NCKU		

Measurement Method	Mfg. Model No.	QI No.	Use Date
UV-Visible Spectrophotometer	UV3600-4000	6442441	2024.02
TGA Spectrophotometer	Model 6000		2023.11

Remark:
1. The test sample is provided by applicant. The report is responsible for the sample only.
2. This report shall not be altered, modified, copied, changed, reprinted or reproduced in any way, and shall not be used for the purpose of advertising or as evidence for any legal proceeding.

Research Center for Energy Technology and Storage, NCKU	Inspector	Thermal performance of building material testing laboratory, Research Center for Energy Technology and Storage, NCKU
	許大為 Tu-Hsi Hsu	李財忠 Shih-Kia Lee

2024.10.27

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1. Testing Item

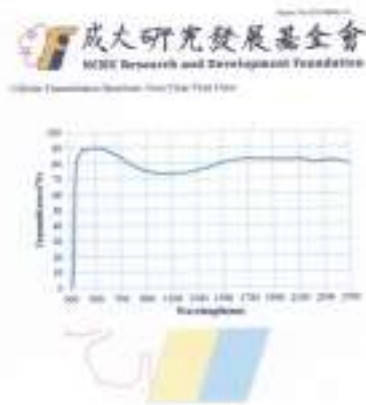
Testing Item	Standard	Result
1. visible light transmittance	ISO9241	
2. visible light reflectance	ISO9241	
3. solar radiation transmittance	ISO9241	
4. solar radiation reflectance	ISO9241	
5. SHGC solar heat gain coefficient	ISO 9241	
6. U-value coefficient	ISO 9241	
7. T _g temperature	ISO 9241	
8. thermal expansion	ISO 9241	

1. Specification of testing specimen

1. Model No.	Double-Layer (Low-E)
2. Glass plate type	Heat-Insulating Glass Unit
3. Glass plate size	1220x1220
4. Type of glass	Low-E Glass



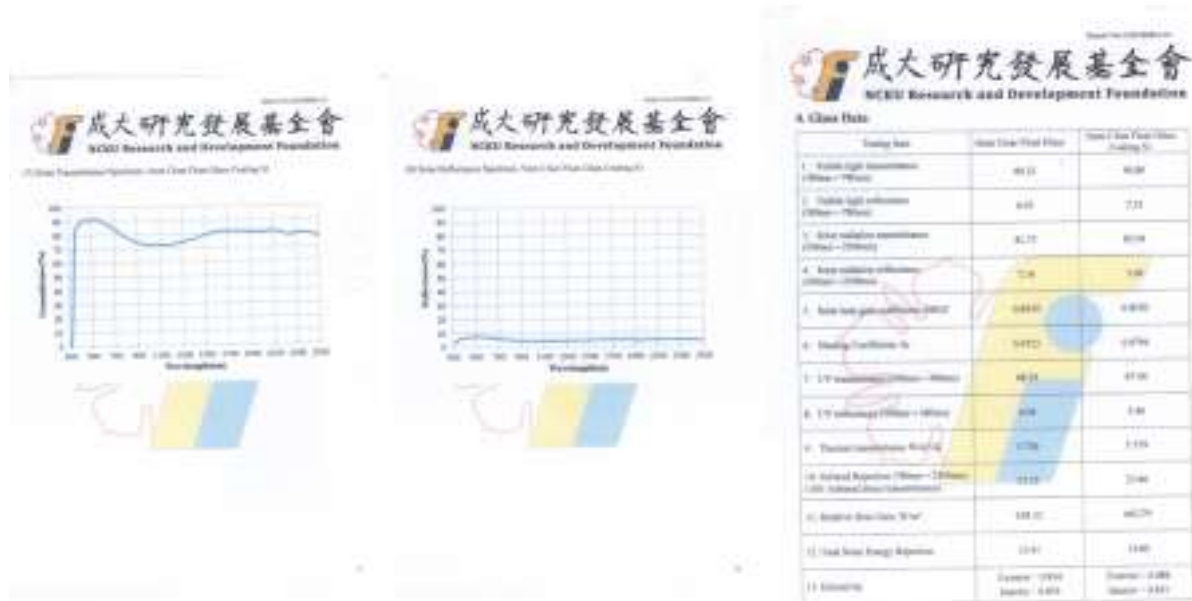
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Apply on the Body and Windows of the Car

Anti-UV, easy to clean, touching without leaving prints



Apply on the Body and Windows of the Car

Anti-UV, easy to clean, touching without leaving prints



Apply on Glass Window

Anti-UV, easy to clean, touching without leaving prints



Apply on Glass Window

Anti-UV, easy to clean, touching without leaving print



Apply on Washing Basin and Granite Surface

Waterproof, stain resistant, easy to clean, hand touch without leaving fingerprints



Chinese Tea Wood Plate

High temperature resistance, waterproof, stain resistant and easy to clean

