Be noted this test is based on ISO 9050 standard . The most important page about U-Value is in Page10- item N.11

Data are calculated according to ISO9050 & WINDOW 6.3 software 1 W/m2 =0.317 BTU/ft2 hr 1 W/m2K=0.176 BTU/ft2 hr°F

Our NA7960 U-value: 5.635 W/ m^2 K *0.176 = around 0.99

As our previous information, some items number are changed because of our test glass thickness and producer are different . Each test labs have different equipment .

Verification/Testin No. 8, Lane 29, Wenm Guishan Dist. Taoyu 33383, Taiwan, R.O. TEL: +866-3-3280026	ung Rd. an City C	财图法人台灣電子檢 測試報告 TESTING REPOR ELECTRONICS TESTING CENT	T Postage	
工服 NO. 16-05-B	AD-005-01L			Page 1 of 11
申请者(Applicant)				
也是(Address):				F
n试名称: Decription		總蘇係數試驗 ing coefficients test)	繁选商; Mfg.	實粮工業股份有限公司
型號: fodel No.	NA7960	12	序號: 1D. No.	an ghulid ochan watan (20 da gan
谢試依據: Festing Procedure Jsed	¥≭ Page.11 (As refer Page		收件日期: Receipt Date	APR. 04, 2016
周圍環境: Nabience	溫度 22 Temp.	℃ 相對濕度 55 % R.H.	潮試日期: Testing Date	APR. 04, 2016
测试地點: Testing Area		勞電子檢驗中心檢定/溯試 ICS TESTING CENTER, TAIN		sting Laboratory)
		测试時使用之標準器 Stand	ards Employed	
儀 器 名 稱 Nomenclature		廠 牌/型 就 Mfg. / Model No.	序 號 1D. No.	校正有数日 Due Date
穿遗牵先墙儀 (FT-IR Spectrophoto)	meter)	HITACHI/U-4100	13512102-001	2017/03/27
傅立葉轉換紅外線升 (UV-Visible-NIR Spo	and the latest	NICOLET 6700	APW100191	2019/04/27
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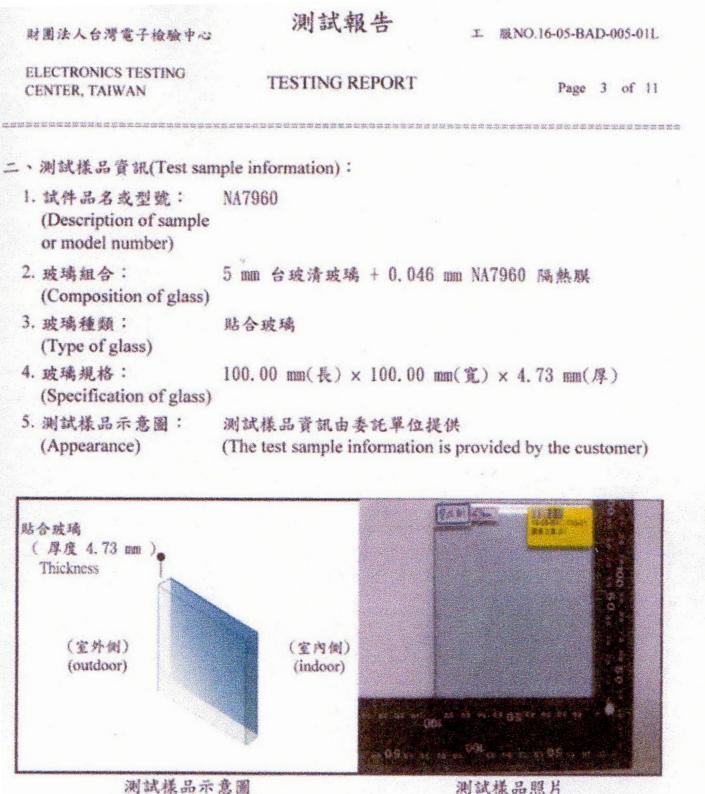
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一、测试项目(Test Items)

試驗項目 (Test Items)	量測標準 (Standard)	備註 (Note)
1. 可見光穿透率 (Visible light transmittance)	ISO 9050	
2. 可見光反射率 (Visible light reflectance)	ISO 9050	
3. 日光穿透率 (Solar radiation transmittance)	ISO 9050	
4. 日光反射率 (Solar radiation reflectance)	ISO 9050	
5. 半球輻射率 (Corrected emissivity)	ISO 9050	ε _e :朝室外倒(outside ε _i :朝室內劍(inside
6. 日光輻射熱取得率 SHGC (Solar heat gain coefficients)	ISO 9050	
7. 遮蔽係數 Se (Shading coefficients)	ISO 9050	Sc=SHGC/0.87
8. 紫外線穿透率 (UV transmittance)	ISO 9050	
9. CIE 傷害因子(300 nm~600 nm) (CIE damage factor)	ISO 9050	
10. 皮膚傷害因子(300 nm~400 nm) (Skin damage factor)	ISO 9050	
11. 總熱傳係數 U (Thermal transmittance)	ISO 9050	

註: 本報告之氣候條件係採 ISO 9050 規定計算

Note : Climatic conditions of this report is calculated in accordance with ISO 9050.



测試标品示意测 (Diagram of sample) 测试樣品照片 (Photo of sample)

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三、測試結果(Test Results):

1. 日光穿透率光譜分布 (Solar trans	unittance	values)
---------------------------	-----------	---------

波長(nm) Wavelength	穿遗率(%) Transmittance	波長(ntit) Wavelength	穿透率(%) Transmittance	波長(nm) Wavelength	穿透牵(%) Transmittance
300	0.08	530	84.19	1050	36.08
305	0.05	540	83.87	1100	35,13
310	0.03	550	83.33	1150	34.89
315	0.05	560	83.01	1200	34.06
320	0.13	570	82.75	1250	32.76
325	0.28	580	82,15	1300	32.13
330	0.51	590	81.19	1350	31.92
335	0.78	600	80,54	1400	31.76
340	1.06	610	80,11	1450	31.50
345	1.38	620	79.42	1500	31.43
350	1.81	630	78.28	1550	31.72
355	2.24	640	77.05	1600	32.16
360	2.37	650	76.12	1650	31.88
365	2.23	660	75.38	1700	32.65
370	2.83	670	74.45	1750	33.00
375	6.01	680	72.96	1800	33.51
380	13.12	690	71.14	1850	34.06
390	37.75	700	69.34	1900	34.17
400	65.11	710	67.78	1950	35.14
410	80.84	720	66.30	2000	36.59
420	82.50	730	64.62	2050	37.83
430	81.60	740	62.60	2100	38.46
440	82.56	750	60.32	2150	38.77
450	83.31	760	57.97	2200	39.93
460	83.99	770	55.84	2250	37.49
470	84.30	780	54.03	2300	37.64
480	84.41	800	51.04	2350	38.17
490	84.52	850	43.63	2400	39.64
500	84.54	900	40.06	2450	38.80
510	84.45	950	37.57	2500	41.90
520	\$4.29	1000	36.84	1	

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2. 日光反射率光譜分布;室外倒 (Solar reflectance values ; outdoor)

波長(nm) Wavelength	反射率(%) Reflectance	波長(nm) Wavelength	反射率(%) Reflectance	波長(nm) Wavelength	反射率(%) Reflectance
200	5.09	530	8.33	1050	5.18
305	5,06	540	8.49	1100	5.04
310	5.04	550	8.31	1150	5.21
315	5.01	560	7.98	1200	5.07
320	4.99	570	8.13	1250	4.96
325	4.96	580	8.41	1300	5.02
330	4.93	590	8.13	1350	5.09
335	4.90	600	7.66	1400	4.83
340	4.87	610	7.76	1450	4.62
345	4.83	620	8.09	1500	4.82
350	4.80	630	7.99	1550	4.90
355	4.80	640	7.47	1600	4.88
360	4.80	650	7.15	1650	4.83
365	4.74	660	7.39	1700	4.73
370	4.68	670	7.75	1750	4.80
375	4.68	680	7.71	1800	4.64
380	4.82	690	7.20	1850	4.67
390	5.84	700	6.69	1900	4.73
400	7.30	710	6.59	1950	5.08
410	8.33	720	6.78	2000	4.92
420	8.58	730	6.91	2050	5.01
430	8,38	740	6.81	2100	4.93
440	8.48	750	6.50	2150	4.68
450	8.46	760	6.14	2200	4.75
460	8.44	770	5.90	2250	4.47
470	8.61	780	5.86	2300	4.51
480	8.49	800	6.09	2350	4.85
490	8.51	850	5.21	2400	4.92
500	8.50	900	5.34	2450	4.66
510	8.44	950	5.09	2500	4.85
520	8.33	1000	5.34		

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3. 日光反射率光磷分布: 室內側 (Solar reflectance values : indoor)

波長(nm) Wavelength	反射率(%) Reflectance	波長(nm) Wavelength	反射率(%) Reflectancc	波畏(nm) Wavelength	反射率(%) Reflectance
300	5.35	530	8.44	1050	5.31
305	5.36	540	8.40	1100	5.21
310	5.38	550	8.30	1150	4.94
315	5,42	560	8.18	1200	5.03
320	5.44	570	8.22	1250	5.22
325	5.45	580	8.27	1300	5.04
330	5.43	590	8.07	1350	4.95
335	5.39	600	7.89	1400	4.40
340	5.35	610	7.90	1450	4.74
345	5.27	620	8.01	1500	5.05
350	5.21	630	7.91	1550	5.19
355	5.20	640	7.53	1600	5.03
360	5.17	650	7.34	1650	4.35
365	5.08	660	7.47	1700	4.25
370	5.01	670	7.67	1750	4.47
375	5.03	680	7.70	1800	4.69
380	5.21	690	7.25	1850	4.90
390	6.17	700	6.82	1900	5.43
400	7.52	710	6.63	1950	5.64
410	8.41	720	6.64	2000	5.13
420	8.60	730	6.81	2050	4.74
430	8.49	740	6.85	2100	4.34
440	8.50	750	6.65	2150	4.22
450	8.57	760	6,19	2200	4.21
460	8.52	770	5.83	2250	3.82
470	8.59	780	5.71	2300	4.38
480	8.56	800	5.90	2350	5.38
490	8.56	850	5.19	2400	5.22
500	8.52	900	5.34	2450	4.65
510	8.43	950	5.06	2500	6.76
520	8.41	1000	5.14		

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4. 垂直反射率 (Normal reflectance)

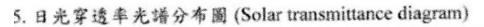
No	波長 (µm) (Wavelength)	朝室外倒 反射率(%) (outside) Reflectance	朝室內側 反射率(%) (inside) Reflectance	備註(Note)
1	5.5	2.78	3,40	半球輻射率
2	6.7	1,71	4,51	(Corrected emissivity)
3	7.4	0.58	2.56	(contocted emissivity)
4	8.1	1.33	6.06	きょ= 0.837 (室外側)
5	8.6	12,89	4.89	(outside)
6	9,2	25.76	8.25] E - 0.889 (室内侧)
7	9.7	28.44	5.59	(inside)
8	10.2	23.05	5.21	
9	10.7	18,34	6.57]
10	11.3	12.07	4.30]
11	11.8	8.09	4.74	
12	12.4	5.46	4.00	
13	12.9	7.59	4.41	
14	13.5	7.31	4.65	
15	14.2	6.29	4.65	
16	14.8	5.52	3.79	
17	15.6	4.70	6.24	
18	16.3	3.91	2.22	
19	17.2	2.96	3.80	
20	18,1	2.57	7.57	
21	19.2	8.90	3.91	le de la companya de
22	20.3	19.54	5.88	
23	21.7	23.52	6.55	
24	23.3	20.08	5.50	
25	25.2	15.73	5,11	
26	27.7	13.90	5.44	-
27	30.9	12.07	7.39	
28	35.7	10.68	12,70	
29	43.9	10.25	7,91	
30	50.0	11.83	6.00	

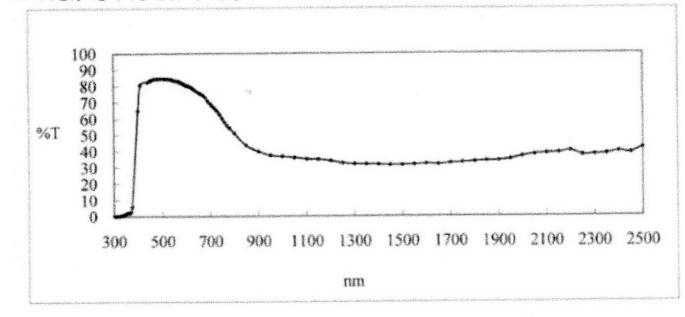
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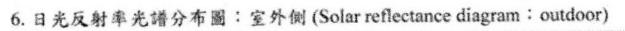


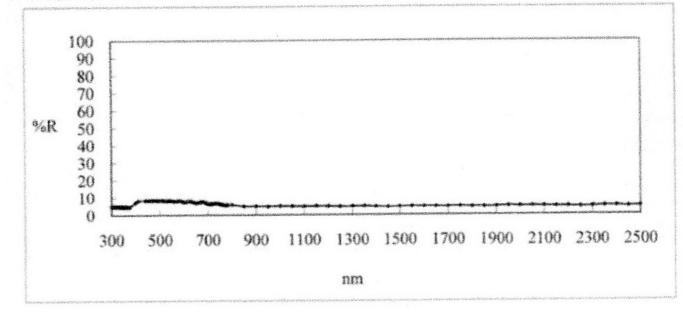
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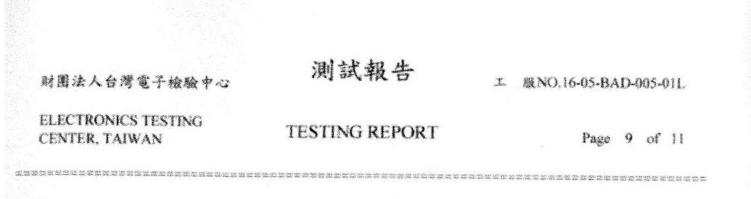
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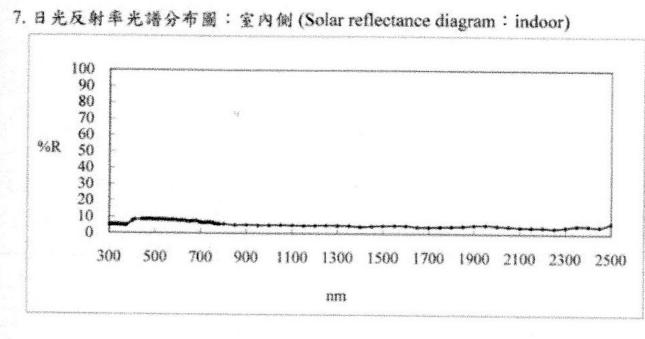
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四、玻璃测试總表 (Glass data)

試驗項目(Test Items)	測試結果(Test Results)	備註(Note)
1. 可見光穿透率(380 nm ~ 780 nm) (Visible light transmittanco)	82.61 %	
2. 可見先反射率(380 nm ~ 780 nm) (Visible light reflectance)	8.20 %	nn na far far stars fransk menskansk stars generals i stars som for som
3. 日光穿透率(300 nm~2500 nm) (Solar radiation transmittance)	43.29 %	
4. 日光反射率(300 nm~2500 nm) (Solar radiation reflectance)	6.43 %	
5. 半球辐射率	$\varepsilon_e = 0.837$	Ge:朝室外侧
(Corrected emissivity)	s _i = 0.889	(outside) g:朝室內側 (inside)
 6. 日光輻射熱取得率 SHGC (Solar heat gain coefficients) 	0.550	ана страница и на страница и на Сули и на страница и н Стали и на страница и на стр
7. 過載係數 Sc (Shading coefficients)	0.632	an a dha fa fa dha na an an
8. 紫外線穿透率(300 nm~380 nm) (UV transmittance)	2.79 %	n mark for an article for the formation of
9. CIE damage factor (300 nm ~ 600 nm)	53.20 %	999, 201 (1998) - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1
10. Skin damage factor (300 nm ~ 400 nm)	1.80 %	******
11. 魏熱傳係數 U (Thermal transmittance)	5.635 W/(m²K)	

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E、說明(Note):

- 1. 本測試報告所列之測試項目及測試方法係經委託與受託單位雙方認可執行。 (Test items and test methods listed in the test report were approved each other to perform.)
- 使用本報告時須整份使用,分離使用無效,不得任意摘錄,測試結果僅對測試件有效。
 (When using this report, be use the whole one; It's invalid when separated using; Shall not be arbitrarily extracted; Test results is only effective to the test sample.)
- 試件名稱、試件說明、送樣人資料係由委託單位提供。 (The name and description of the sample and the data of sample provider is provided by the requester.)
- 本報告僅供參考,不得作為商業廣告或訴訟之用。
 (This report is for reference only, shall not be used as a commercial or litigation.)
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 本測試依據係遵循 ISO 9050 (2003)執行測試。 (This testing is based on ISO 9050.)

测试者 (Tester)

- - - The End of Test Report - - -