



国家化学建筑材料测试中心

NATIONAL
TEST CENTER
OF POLYMER AND
BUILDING MATERIALS



230002349849



中国认可
国际互认
检测
TESTING
CNAS L1049

National Test Center of Polymer & Building Materials

Address: No. 14, Beisanhuandonglu, Chaoyang District, Beijing, China Post Code: 100013
Tel: +86(0)1064208747, +86(0)1064200694, +86(0)1064224642, +86(0)1059202479
Fax: +86(0)1059202784, +86(0)1084290301 Web site: www.plasticstest.net

No.2024(X)05007

CUSTOMER: Zhejiang Aoci Decoration Materials Co., Ltd.

SAMPLES FOR TESTING

Name: POLYCARBONATE SHEET

Manufacturer: Zhejiang Aoci Decoration Materials Co., Ltd.

Thickness: 6mm

Appearance: Transparent sheet

Roll Number: PCK-2-6-UV₁-B₁

DATE OF RECEIPT: 2023-01-11

ISSUE DATE: 2024-05-07

THIS REPORT COMPRISES 11 PAGES.



DIRECTOR: 武鹏

CHECK: 毛安琪



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TESTING RESULTS

No. 2024(X)05007

No.	Test Items	Units	Results	Test Methods
1	Luminous transmittance	%	81.8	GB/T 2410-2008
2	Haze	%	30.4	GB/T 2410-2008
3	Yellowness index	/	1.4	HG/T 3862-2006
4	Weathering aging for 350h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	81.2	GB/T 2410-2008
	Haze after aging	%	33.1	GB/T 2410-2008
	Yellowness index after aging	/	1.5	HG/T 3862-2006

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TESTING RESULTS

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No.	Test Items	Units	Results	Test Methods
5	Weathering aging for 500h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	80.9	GB/T 2410-2008
	Haze after aging	%	33.5	GB/T 2410-2008
	Yellowness index after aging	/	1.7	HG/T 3862-2006
6	Weathering aging for 1000h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	80.5	GB/T 2410-2008
	Haze after aging	%	35.1	GB/T 2410-2008
	Yellowness index after aging	/	2.0	HG/T 3862-2006

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No.	Test Items	Units	Results	Test Methods
7	Weathering aging for 2000h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	79.4	GB/T 2410-2008
	Haze after aging	%	36.5	GB/T 2410-2008
	Yellowness index after aging	/	3.9	HG/T 3862-2006
8	Weathering aging for 3000h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	77.9	GB/T 2410-2008
	Haze after aging	%	43.6	GB/T 2410-2008
	Yellowness index after aging	/	5.5	HG/T 3862-2006

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No.	Test Items	Units	Results	Test Methods
9	Weathering aging for 3500h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	77.5	GB/T 2410-2008
	Haze after aging	%	46.3	GB/T 2410-2008
	Yellowness index after aging	/	6.7	HG/T 3862-2006
10	Weathering aging for 4000h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	76.9	GB/T 2410-2008
	Haze after aging	%	47.4	GB/T 2410-2008
	Yellowness index after aging	/	7.2	HG/T 3862-2006

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No.	Test Items	Units	Results	Test Methods
11	Weathering aging for 4500h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	76.3	GB/T 2410-2008
	Haze after aging	%	49.2	GB/T 2410-2008
	Yellowness index after aging	I	7.7	HG/T 3862-2006
12	Weathering aging for 5000h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	75.3	GB/T 2410-2008
	Haze after aging	%	51.3	GB/T 2410-2008
	Yellowness index after aging	I	7.9	HG/T 3862-2006

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No.	Test Items	Units	Results	Test Methods
13	Weathering aging for 5500h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	74.8	GB/T 2410-2008
	Haze after aging	%	54.9	GB/T 2410-2008
	Yellowness index after aging	/	9.2	HG/T 3862-2006
14	Weathering aging for 6000h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	74.8	GB/T 2410-2008
	Haze after aging	%	55.4	GB/T 2410-2008
	Yellowness index after aging	/	10.0	HG/T 3862-2006

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No.	Test Items	Units	Results	Test Methods
15	Weathering aging for 6500h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	74.4	GB/T 2410-2008
	Haze after aging	%	60.5	GB/T 2410-2008
	Yellowness index after aging	/	10.0	HG/T 3862-2006
16	Weathering aging for 7000h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	74.6	GB/T 2410-2008
	Haze after aging	%	63.2	GB/T 2410-2008
	Yellowness index after aging	/	11.2	HG/T 3862-2006

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No.	Test Items	Units	Results	Test Methods
17	Weathering aging for 7500h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	75.1	GB/T 2410-2008
	Haze after aging	%	63.5	GB/T 2410-2008
	Yellowness index after aging	/	12.4	HG/T 3862-2006
18	Weathering aging for 8000h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	74.9	GB/T 2410-2008
	Haze after aging	%	63.9	GB/T 2410-2008
	Yellowness index after aging	/	12.8	HG/T 3862-2006

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No.	Test Items	Units	Results	Test Methods
19	Weathering aging for 8500h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	70.3	GB/T 2410-2008
	Haze after aging	%	68.4	GB/T 2410-2008
	Yellowness index after aging	I	15.1	HG/T 3862-2006
20	Weathering aging for 9000h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	70.6	GB/T 2410-2008
	Haze after aging	%	67.1	GB/T 2410-2008
	Yellowness index after aging	I	15.3	HG/T 3862-2006

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No.	Test Items	Units	Results	Test Methods
21	Weathering aging for 9500h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	71.4	GB/T 2410-2008
	Haze after aging	%	67.6	GB/T 2410-2008
	Yellowness index after aging	/	16.5	HG/T 3862-2006
22	Weathering aging for 10000h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	69.8	GB/T 2410-2008
	Haze after aging	%	69.5	GB/T 2410-2008
	Yellowness index after aging	/	17.8	HG/T 3862-2006

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