

TEST REPORT

No. : NJIN2202000589PS

Date : Feb 23, 2022

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scan to see the report



NJIN2202000589PS

CUSTOMER NAME: ZHEJIANG JOYVIE NEW MATERIALS CO., LTD.
ADDRESS: BUILDING 5, NO 1333 HAIGANG ROAD, DUSHANGANG COUNTY,
PINGHU CITY, JIAXING CITY, ZHEJIANG PROVINCE

Sample Name : Joyvie 130

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Density Test, Tear Strength Test, Tensile Test, Appearance Test,
Thickness Deviation Test, Discoloration Resistance Test
Date of Receipt : Feb 16, 2022
Testing Start Date : Feb 16, 2022
Testing End Date : Feb 23, 2022
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for

Time Wang
王明涛

Time Wang

Authorized signatory



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1. Density Test:

Sample Description: Transparent film

Test Method: HG/T 5070-2016 Section 6.4.2 & GB/T 533-2008 Method A

Test Condition:

Deionized water, 23 ± 2 °C

Lab Environmental Condition: 23 ± 2 °C, 50 ± 5 %RH

Test Result:

Test Item	Test Result
Density	1.13 g/cm ³

Note:

1. Tear off the protective film and release paper of the sample before testing.
2. Test specimens were cut from the sample.

Original Sample Photo:



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2.Tear Strength Test:

Sample Description: Transparent film

Test Method: HG/T 5070-2016 Section 6.4.4 & GB/T 529-2008 Method B Procedure (b)

Test Condition:

Specimen thickness: Transverse: 0.154 mm; Longitudinal: 0.153 mm

Testing speed: 500 mm/min

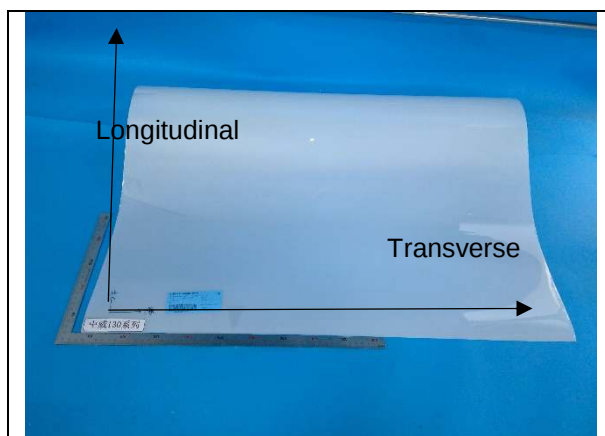
Lab Environmental Condition: 23±2℃, 50±5%RH

Test Result:

Test Item	Test Result	
Tear Strength	Transverse	43 kN/m
	Longitudinal	43 kN/m

Note: Test specimens were cut from the sample.

Original Sample Photo:



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3.Tensile Test:

Sample Description: Transparent film

Test Method: HG/T 5070-2016 Section 6.4.3 & GB/T 528-2009

Test Condition:

Specimen: Type 1

Specimen thickness: 0.154 mm

Testing speed: 500 mm/min

Gauge length: 25 mm

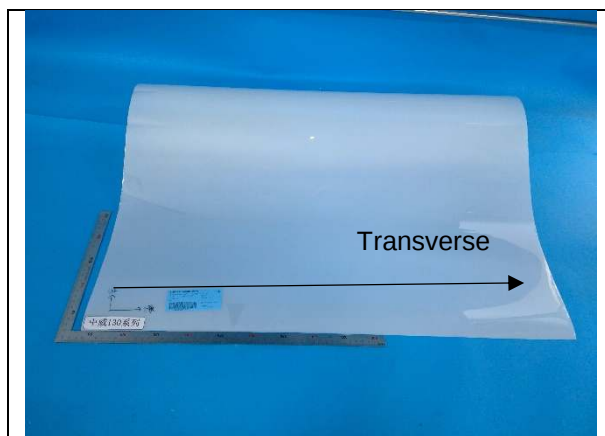
Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) % RH

Test Result:

Test Item	Test Result	
Tensile Strength	Transverse	21.6 MPa
Elongation at Break	Transverse	255 %

Note: Test specimens were cut from the sample.

Original Sample Photo:



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4.Appearance Test:

Sample Description: Transparent film

Test Method: HG/T 5070-2016 Section 6.2

Test Condition:

Fluorescent lamp, visual inspection of appearance

Measure the irregularity of the end face with a steel ruler

Lab Environmental Condition: $(23 \pm 2)^{\circ}\text{C}$, $(50 \pm 5)\%\text{RH}$

Test Result:

Test Item	Test Result
End surface irregularity	<5 mm
End face scratch, oil stain and impurity	No
Bubble	No
Surface scratches, folds, oil stains and impurities	No
Flatness	No obvious wavy loose edges

Note: Tear off the protective film and release paper of the sample before testing.

Original Sample Photo:



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5. Thickness Deviation Test:

Sample Description: Transparent film

Test Method: HG/T 5070-2016 Section 6.3.2 & 6672-2001

Test Condition:

Diameter of Presser foot: 10 mm

Load: 0.8 N

Nominal Thickness: 0.162 mm (Provided by client)

Lab Environmental Condition: (23±2)°C, (50±5)%RH

Test Result:

Test Item	Test Result
Thickness	0.157 mm
Thickness Deviation	-2.5 % -3.7%
Average Thickness Deviation	-3.1 %

Note:

1. Thickness Deviation, % =(Maximum value(Minimum value)- Nominal Thickness)/ Nominal Thickness × 100
2. Average Thickness Deviation, %=(Average Thickness- Nominal Thickness)/公称 Thickness × 100
3. Tear off the protective film and release paper of the sample before testing.
4. Test specimens were cut from the sample.



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Original Sample Photo:



6. Discoloration Resistance Test:

Test Method: HG/T 3689-2014, Method A; 24 h [A]

Test item	Result
Discoloration Resistance	4-5 Grade

Original Sample Photo:



Test project was carried out by subcontractors.

***** End of report *****



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