

Test Report

Report Number: SGT-202105001

Device: Disposable Powder Free Nitrile Exam Glove
Sponsor: CRDLIGHT OPTOELECTRONIC TECHNOLOGY CO.,LTD
Address: Floor 1-5 Building No.7 & Floor 1-4 Building No.5 No.18
Xinyi Road, Jianghai District, Jiangmen City, Guangdong
Province, China

Revision history of report			
Version	Details	Reviser	Date
00	Initial version	Haixiao Gan	2021.05.24
Statement			
All the information or parameter about product are provided by applicant. The result of the commission test is only responsible for the sample(s) provided. The test report is not valid without the signatures. The test report is not valid if scribbled or altered. Any dispute of the test report must be raised to the testing body within 15 days after the test report is received exceeding which the dispute will not be accepted. Copy of the test report (except copy of the whole report) is not allowed without written approval.			



Shanghai SUNGO Medical Technology Co. Ltd..

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Test Summary Information

Bench testing has been performed to demonstrate the efficacy of the Disposable Powder Free Nitrile Exam Glove as per ASTM D6319-19. We use the following sampling plan (table 1) for our finished products per each lot. The lot size is around 5,000 pcs of glove, which is the production quantity of one hour. However, we choose a tighten sampling plan to conduct the performance testing for the 510k submission.

Table 1 Sampling plan of Disposable Powder Free Nitrile Exam Glove

Inspection Levels and AQLs				
Characteristic	Inspection Level	AQL	Batch size	Sample demand for each model
Physical dimensions	S-2	4.0	5000	20
Water tightness	G-1	2.5	5000	80
Residual Powder	N=5	1.0	5000	5
Force and elongation at break	S-2	4.0	5000	40

The test summary as below.

Table 2 Test Summary

Product name		Disposable Powder Free Nitrile Exam Glove			
Model and specification		S, M, L, XL			
Production date		2021.03.21	Sampling date	2021.04.02	
Sampling quantity		Model S: 145pcs Model M: 145pcs Model L: 145pcs Model XL: 145Pcs	Lot number	20210408	
Testing date		2021.05.08-2021.05.20			
Inspection standard		ASTM D6319-19			
Model	Testing Items	Standard Requirements	Inspection Level and AQL	Actual Testing Results	Conclusion
S	Length(mm)	≥220	S-2, AQL 4.0	229-240	Pass
	Width(mm)	80±10	S-2, AQL 4.0	76-86	Pass
	Palm Thickness(mm)	≥0.05	S-2, AQL 4.0	0.07-0.08	Pass
	Finger Thickness(mm)	≥0.05	S-2, AQL 4.0	0.09-0.10	Pass
	Freedom from holes	AQL: 2.5	G-I, AQL: 2.5	Meet AQL2.5 requirement	Pass
	Residual Powder	≤2mg per glove	N=5	0.24mg/glove	Pass
	Tensile Strength (Mpa)				
	Before aging	≥14Mpa	S-2, AQL 4.0	16.20-32.69Mpa	Pass
	After aging	≥14Mpa		16.46-31.96Mpa	Pass
	Ultimate Elongation (%)				
	Before aging	≥500%	S-2, AQL 4.0	570.40-1075.60%	Pass
	After aging	≥400%		529.30-886.34%	Pass
M	Length(mm)	≥230	S-2, AQL 4.0	237-245	Pass
	Width(mm)	95±10	S-2, AQL 4.0	89-95	Pass
	Palm Thickness(mm)	≥0.05	S-2, AQL 4.0	0.08-0.09	Pass
	Finger Thickness(mm)	≥0.05	S-2, AQL 4.0	0.08-0.10	Pass
	Freedom from holes	AQL: 2.5	G-I, AQL: 2.5	Meet AQL2.5 requirement	Pass
	Residual Powder	≤2mg per glove	N=5	0.46mg/glove	Pass
	Tensile Strength (Mpa)				
	Before aging	≥14Mpa	S-2, AQL 4.0	15.08-27.41Mpa	Pass
	After aging	≥14Mpa		17.47-36.94Mpa	Pass
	Ultimate Elongation (%)				
	Before aging	≥500%	S-2, AQL 4.0	719.98-1118.17%	Pass
	After aging	≥400%		546.60-961.95%	Pass
L	Length(mm)	≥230	S-2, AQL 4.0	240-246	Pass

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	Width(mm)	110±10	S-2, AQL 4.0	101-105	Pass
	Palm Thickness(mm)	≥0.05	S-2, AQL 4.0	0.07-0.08	Pass
	Finger Thickness(mm)	≥0.05	S-2, AQL 4.0	0.09-0.10	Pass
	Freedom from holes	AQL: 2.5	G-I, AQL: 2.5	Meet AQL2.5 requirement	Pass
	Residual Powder	≤2mg per glove	N=5	0.52mg/glove	Pass
	Tensile Strength (Mpa)				
	Before aging	≥14Mpa	S-2, AQL 4.0	16.58-29.51Mpa	Pass
	After aging	≥14Mpa		17.81-29.94Mpa	Pass
	Ultimate Elongation (%)				
	Before aging	≥500%	S-2, AQL 4.0	633.79-1038.27%	Pass
	After aging	≥400%		537.44-900.22%	Pass
XL	Length(mm)	≥230	S-2, AQL 4.0	238-246	Pass
	Width(mm)	120±10	S-2, AQL 4.0	111-114	Pass
	Palm Thickness(mm)	≥0.05	S-2, AQL 4.0	0.07-0.08	Pass
	Finger Thickness(mm)	≥0.05	S-2, AQL 4.0	0.08-0.09	Pass
	Freedom from holes	AQL: 2.5	G-I	Meet AQL2.5 requirement	Pass
	Residual Powder	≤2mg per glove	N=5	0.44mg/glove	Pass
	Tensile Strength (Mpa)				
	Before aging	≥14Mpa	S-2, AQL 4.0	16.81-23.91Mpa	Pass
	After aging	≥14Mpa		14.87-30.66Mpa	Pass
	Ultimate Elongation (%)				
	Before aging	≥500%	S-2, AQL 4.0	624.24-1025.62%	Pass
	After aging	≥400%		580.92-960.37%	Pass

The testing process is shown in the attached table

Note: Except for special requirements, the above tests are conducted at room temperature

Conclusion: The product meet the requirement of ASTM D6319-19

The tests were conducted by Shanghai SUNGO Medical Technology Co., Ltd.

The signatures here were the person who conduct the test, review or/and approved the test report.

Edited by

Checked by

Approved by



Shan qing Zhao

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Hai xiao Gan

SGT-202105001.01

Physical Dimensions Test

Test Specs Section	ASTM D6319-19 7.4 Physical Dimensions Test
Tested Date	2021.05.11
Products Quantity	80
Sample No.	Model S: 1#~20# Model M: 21#~40# Model L: 41#~60# Model XL: 61#~80#
Test Environment	23.0°C, 50%RH

Test Method:

1. The samples were pretreated for 24h under the conditions of $23 \pm 2^\circ\text{C}$.
2. The length were test from the tip of the middle finger to the outside edge of the cuff.
3. The width were test between the base of the index finger and the base of the thumb.
4. The minimum thickness were test by dial micrometer, the locations indicated in Fig. 01.

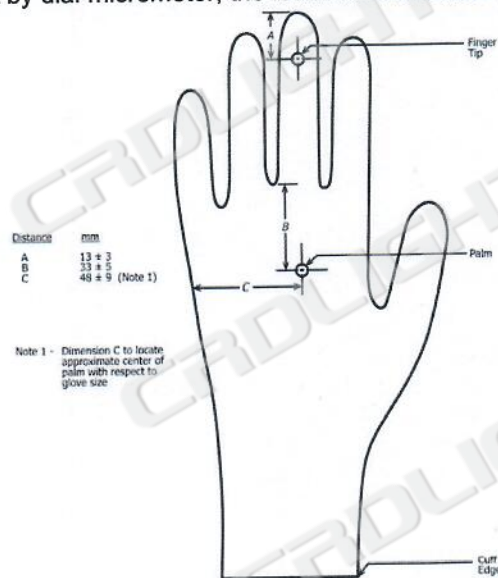


Fig.01 Location of Thickness Measurements

Acceptance Criteria:

Dimensions and Tolerances:

Designation	6	6 1/2	7	Size 7 1/2	8	8 1/2	9		Tolerance, mm
Width by size	75	83	89	95	102	108	114		±6
Width by		x-small 70	small 80	Unsize 85	medium 95	large 110	X-large 120	XX-large 130	±10
Length		220	220	230	230	230	230	230	min
Thickness, mm:				For All Sizes					
finger				0.05					min
palm				0.05					min

Report No.: SGT-202105001**Test Equipment :**

Equipment No.	Equipment Name	Calibration Validity
SGT-ME005	Vernier caliper	2022.02.25
SGT-ME018	Digital thickness gauge	2022.02.25

Test Results:

Model	Sample Number	Overall Length(mm)	Width(mm)	Palm Thickness(mm)	Finger Thickness(mm)
S	1#	229	79	0.08	0.10
	2#	231	77	0.07	0.10
	3#	234	78	0.08	0.10
	4#	240	79	0.07	0.10
	5#	234	82	0.08	0.10
	6#	236	79	0.07	0.10
	7#	232	86	0.08	0.10
	8#	235	79	0.08	0.10
	9#	237	78	0.08	0.09
	10#	233	78	0.08	0.10
	11#	235	77	0.08	0.10
	12#	235	77	0.08	0.10
	13#	232	79	0.08	0.09
	14#	234	78	0.07	0.09
	15#	233	77	0.08	0.09
	16#	233	76	0.07	0.09
	17#	236	78	0.07	0.09
	18#	231	81	0.08	0.09
	19#	237	78	0.07	0.10
	20#	238	79	0.08	0.10
	Limit value	≥ 220	80 ± 10	≥ 0.05	≥ 0.05
	Test result	Pass	Pass	Pass	Pass
M	21#	239	89	0.08	0.09
	22#	240	89	0.08	0.10
	23#	237	89	0.08	0.09
	24#	238	89	0.08	0.10
	25#	239	89	0.08	0.09
	26#	239	89	0.09	0.10
	27#	242	90	0.08	0.08
	28#	243	90	0.08	0.09
	29#	242	90	0.08	0.10
	30#	242	91	0.08	0.09
	31#	238	90	0.08	0.10
	32#	238	91	0.08	0.09
	33#	241	90	0.08	0.09
	34#	241	90	0.08	0.10
	35#	239	90	0.08	0.09
	36#	245	92	0.08	0.10
	37#	242	95	0.08	0.09
	38#	238	90	0.08	0.08

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	39#	240	92	0.08	0.08
	40#	238	91	0.08	0.09
	Limit value	≥ 230	95 ± 10	≥ 0.05	≥ 0.05
	Test result	Pass	Pass	Pass	Pass
L	41#	246	101	0.08	0.10
	42#	243	101	0.08	0.10
	43#	240	102	0.08	0.09
	44#	243	102	0.08	0.09
	45#	243	105	0.08	0.10
	46#	244	105	0.08	0.09
	47#	246	104	0.08	0.10
	48#	245	102	0.08	0.09
	49#	243	102	0.08	0.10
	50#	246	103	0.08	0.09
	51#	243	103	0.08	0.09
	52#	245	102	0.08	0.09
	53#	241	102	0.08	0.09
	54#	240	103	0.08	0.09
	55#	241	102	0.08	0.09
	56#	244	103	0.08	0.09
	57#	243	103	0.07	0.09
	58#	244	104	0.07	0.09
	59#	246	102	0.07	0.09
	60#	246	102	0.08	0.09
	Limit value	≥ 230	110 ± 10	≥ 0.05	≥ 0.05
	Test result	Pass	Pass	Pass	Pass
XL	61#	241	111	0.07	0.09
	62#	238	112	0.08	0.08
	63#	242	112	0.08	0.09
	64#	240	113	0.07	0.08
	65#	239	112	0.08	0.09
	66#	241	113	0.07	0.08
	67#	246	113	0.08	0.09
	68#	242	113	0.08	0.09
	69#	239	111	0.07	0.09
	70#	243	112	0.07	0.09
	71#	245	113	0.07	0.09
	72#	240	112	0.08	0.09
	73#	246	113	0.07	0.09
	74#	240	113	0.08	0.09
	75#	243	114	0.08	0.09
	76#	243	113	0.08	0.08
	77#	244	114	0.08	0.09
	78#	241	114	0.08	0.09
	79#	242	114	0.08	0.09
	80#	243	113	0.08	0.09
	Limit value	≥ 230	120 ± 10	≥ 0.05	≥ 0.05
	Test result	Pass	Pass	Pass	Pass

Observations & Remarks:

None.

Pictures:



Fig.01 As-receive sample (model S)



Fig.02 As-receive sample (model M)



Fig.03 As-receive sample (model L)



Fig.04 As-receive sample (model XL)



Fig.05 Dimension test



Fig.06 Thickness test

Test Specs Section	ASTM D5151-19
Tested Date	2021.05.17
Products Quantity	320
Sample No.	Model S: 81#~160# Model M: 161#~240# Model L: 241#~320# Model XL: 321#~400#
Test Environment	21.6°C, 67%RH

Test Method:

1. Mount the mandrel in a vertical position using appropriate stands, clamps, and hangers. Affix the glove to the mandrel by stretching the cuff of the glove around the mandrel A maximum 40 mm of glove cuff should fit over the bottom end of the mandrel. Use the securing device, as necessary, to hold the glove in place. The remainder of the glove should hang freely from the mandrel when filled with water.
2. Pour a minimum of 1000 cm³ of water having a room temperature of 20 to 30°C into the top of the mandrel. The water shall pass freely into the glove.
3. Visually inspect the glove for immediate water leakage Let the glove hang for 2 min and again inspect for water leakage.

Acceptance Criteria:

Characteristic	Related Defects	Inspection Level	Acceptable Quality Levels
Freedom from holes	holes	G-I	2.5

Test Equipment:

Equipment No.	Equipment Name	Calibration Validity
SGT-ME022	The Gloves Freedom From Holes Testing Assamble	/

Test Results:

Model	Sample number	The number of leakage
S	81#~160#	0
M	161#~240#	0
L	241#~320#	0
XL	321#~400#	0
Test result		Pass

Observations & Remarks:

None.



Fig.07 Freedom from Holes test

Test Specs Section	ASTM D6124-06 (2017)
Tested Date	2021.05.11
Products Quantity	20
Sample No.	Model S: 401#~405# Model M: 406#~410# Model L: 411#~415# Model XL: 416#~420#
Test Environment	22.8°C, 55%RH

Test Method:

1. Prior to use, all glassware and tweezers shall be rinsed with deionized or distilled water.

2. Filter Preparation:

2.1. Use a 47mm, 2.7µm pore size glass microfiber filter and a suction filtration apparatus. Use of a TFE-fluorocarbon or equivalent-rimmed housing base is recommended if filters adhere or tear upon removal from glass-rimmed surface.

2.2 Insert the filter disk in the filtration apparatus. Apply suction and wash the filter disk with three successive 50 mL portions of deionized or distilled water. Continue suction to remove all traces of water and discard the washings. Remove the filter from the filtration apparatus and transfer it to a rinsed and dried glass petri dish or equivalent. Dry in an oven at 100±5°C for 1 h. Store the dried filter in a desiccator prior to use. Before use, pre-weigh the dried filter, weighing immediately after removal from the desiccator.

3. Sample Selection and Test:

3.1 Randomly select five gloves from each lot to be evaluated. Gently remove glove from original container.

3.2 Place 500 mL of deionized or distilled water into a 1000 mL flask. Water used in this procedure should be at 20 to 25°C.

3.3 Place a glove into the beaker/flask with 1 to 3 cm of the cuff area stretched over the lip. Hold a portion of the cuff away from the lip to vent air from the beaker/flask and add 250mL of deionized or distilled water to the inside of the glove, making certain the upper cuff is rinsed as the water is poured. Additional water may be used if coverage on the glove exterior is insufficient, or as needed for vacant space within the glove. However, space must be adequate to allow agitation.

3.4 Cap the beaker/flask with a rubber stopper with a polypropylene rim shroud or equivalent and agitate for 30 seconds on a mechanical shaker with a minimum side to side or rotational speed of 1.7 Hz (100 cycles/minute).

NOTE 1-Securing the flask at a 45°angle has been noted to improve the slosh effect and reduce the tendency for twisting at the cuff.

3.5 Remove the cap and pour the water from the inside of the glove into a 600 mL glass beaker. Repeat 3.3-3.5 with the remaining four samples using the same 250 mL of water contained in the 600 mL glass beaker and the same 500 mL of original water added in 3.2

3.6 Pour the water from the 600 mL glass beaker and the beaker/flask through the suction filtration unit containing the weighed filter.

3.7 Rinse the 600 mL glass beaker with 250 mL of deionized or distilled water. Successively add the rinse water to the beaker/flask and into the suction filtration unit containing the weighed filter.

3.8 Rinse the beaker/flask, cap, filter housing and any other portions of the test apparatus that may contain residual powder to ensure all powder extract is filtered.

3.9 Continue suction to remove all traces of water and discard the washings. Remove the filter from the filtration apparatus and transfer it to a rinsed and dried glass petri dish or equivalent. Dry in an oven at 100±5°C for 1 h. Cool in a desiccator for 30 min prior to weighing. Weigh immediately after removal from the desiccator.

4. Blank Control-Using a beaker/flask and water identical to that described in 3.2 and filter identical to that described in 2.1, establish a Blank Control for each of lot of water tested using the same techniques described above. That is, filter 1000 mL of the water. Dry, desiccate, and weigh the filter as described in 2.2.

5 Calculation of Results:

5.1 Compute the mass change in the test filter. Subtract any positive mass change of the Blank Control Filter. The difference is the accumulated powder residue found for all five (5) gloves in the sample. Divide the total powder mass by five(5) to determine the average mass per glove in milligrams.

5.2 Report the average powder mass per glove as determined in 3.

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Requirement	Inspection Level
≤ 2 mg per glove	N=5

Test Equipment:

Equipment No.	Equipment Name	Calibration Validity
SGT-MB0012	Analytical Balance	2022.03.18
SGT-MB024	Reciprocal or Rotator Mechanical Shaker	2022.03.18
SGT-MB011	Gravimetric convection oven	2022.03.03
SGT-MB029	Vacuum diaphragm pump	/
SGT-MB028	Suction filtration apparatus	/

Test Results:

The wight of Residual Powder(mg)				
Model	S	M	L	XL
Total residues	1.2	2.3	2.6	2.2
The average	0.24	0.46	0.52	0.44
The limit value	≤ 2 mg per glove	≤ 2 mg per glove	≤ 2 mg per glove	≤ 2 mg per glove
Result	Pass	Pass	Pass	Pass

Observations & Remarks:

None.

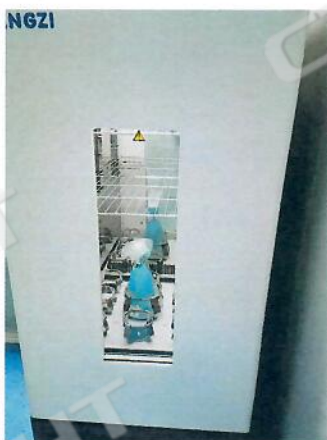
Pictures:

Fig.08 Sample filtration



Fig.09 Sample filtration



Fig.10 Filter drying



Fig.11 Filter drying

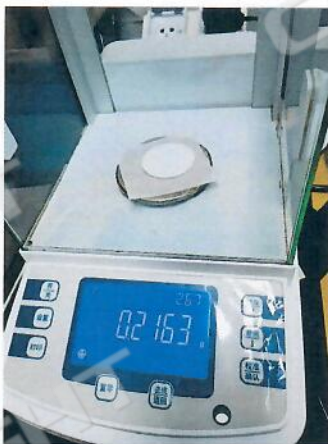


Fig.12 Filter weighing

Test Specs Section	ASTM D6319-19 7.5, ASTM D412-2016
Tested Date	2021.05.08-2021.05.18
Products Quantity	160
Sample No.	The samples before accelerated aging: Model S: 421#~440# Model M: 441#~460# Model L: 461#~480# Model XL: 481#~500# The samples after accelerated aging: Model S: 501#~520# Model M: 521#~540# Model L: 541#~560# Model XL: 561#~580#
Test Environment	22.0℃, 50%RH

Test Method:

1. The samples were pretreated for 24h under the conditions of $(23 \pm 2)^{\circ}\text{C}$.
2. Sample were cut by die C.
3. The thickness of were test by dial micrometer
4. The tensile strength and ultimate elongation were test by tensile testing machine, the rate of grip separation is 500mm/min.
5. Accelerated aging tests shall be conducted on samples cut from the glove in accordance with Test Method D573 by exposing the glove to 70°C for 166h. The glove shall withstand these conditions without evidence of tackiness, exudation, or other deterioration.
6. The sample 421#~500# were test before aging, sample 501#~580# were test after accelerated aging.

Acceptance Criteria:

Before Aging		After Accelerated Aging	
Tensile Strength	Ultimate Elongation	Tensile Strength	Ultimate Elongation
14 MPa,	min 500 % min	14 MPa min	400 % min

Test Equipment:

Equipment No.	Equipment Name	Calibration Validity
SGT-ME001	Universal material testing machine	2022.02.25
STG-EN001	Constant temperature humidity chamber	2022.03.03
SGT-ME018	Digital thickness gauge	2022.02.25
SGT-ME021	Die C	/

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The samples before accelerated aging:

Model	Sample Number	Tensile Strength (MPa)	Limit value (MPa)	Ultimate Elongation	Limit value	Test result
S	421#	27.51	≥ 14 MPa	921.48	$\geq 500\%$	Pass
	422#	28.93		1049.56		Pass
	423#	32.69		965.93		Pass
	424#	21.26		791.20		Pass
	425#	25.36		1009.64		Pass
	426#	19.89		614.57		Pass
	427#	17.32		599.52		Pass
	428#	19.38		664.40		Pass
	429#	19.95		967.44		Pass
	430#	16.66		576.40		Pass
	431#	23.07		975.82		Pass
	432#	19.23		738.86		Pass
	433#	25.25		927.22		Pass
	434#	28.34		1075.60		Pass
	435#	21.23		847.76		Pass
	436#	26.57		919.68		Pass
	437#	29.93		1010.98		Pass
	438#	25.17		897.19		Pass
	439#	19.94		944.26		Pass
	440#	16.19		789.04		Pass
	Maximum value	32.69		1075.60		—
	Minimum value	16.20		576.40		—
	Median value	22.16		920.58		—
	Average value	23.19		864.33		—
M	441#	17.84	≥ 14 MPa	829.22	$\geq 500\%$	Pass
	442#	16.07		933.80		Pass
	443#	15.44		856.19		Pass
	444#	15.08		771.82		Pass
	445#	21.72		917.80		Pass
	446#	19.77		1049.29		Pass
	447#	22.71		1051.76		Pass
	448#	22.17		1071.74		Pass
	449#	22.47		1118.17		Pass
	450#	27.41		942.08		Pass
	451#	18.87		959.92		Pass
	452#	20.14		974.50		Pass
	453#	16.54		719.98		Pass
	454#	20.09		819.62		Pass
	455#	17.55		858.95		Pass
	456#	25.21		973.38		Pass
	457#	19.14		783.20		Pass
	458#	16.89		982.36		Pass
	459#	17.95		983.64		Pass
	460#	23.17		1048.79		Pass
	Maximum value	27.41		1118.17		—
	Minimum value	15.08		719.98		—

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	Median value	19.46		951.00		—
	Average value	19.81		932.31		—
L	461#	16.58	$\geq 14 \text{ MPa}$	636.60	$\geq 500\%$	Pass
	462#	22.82		970.27		Pass
	463#	18.06		709.97		Pass
	464#	25.07		988.29		Pass
	465#	19.44		844.95		Pass
	466#	26.67		977.74		Pass
	467#	25.14		927.13		Pass
	468#	22.10		967.81		Pass
	469#	26.27		987.56		Pass
	470#	25.39		880.45		Pass
	471#	16.76		633.79		Pass
	472#	21.03		787.46		Pass
	473#	21.52		945.74		Pass
	474#	24.36		1038.27		Pass
	475#	19.20		813.34		Pass
	476#	19.15		886.67		Pass
	477#	23.13		878.61		Pass
	478#	29.51		971.57		Pass
	479#	26.28		939.56		Pass
	480#	23.04		901.94		Pass
XL	Maximum value	29.51	$\geq 14 \text{ MPa}$	1038.27	$\geq 500\%$	—
	Minimum value	16.58		633.79		—
	Median value	22.93		914.53		—
	Average value	22.57		884.39		—
	481#	16.90		717.36		Pass
	482#	18.58		743.54		Pass
	483#	21.16		800.48		Pass
	484#	21.09		777.16		Pass
	485#	16.92		696.82		Pass
	486#	18.91		749.40		Pass
	487#	16.81		654.25		Pass
	488#	17.71		697.18		Pass
	489#	22.24		810.56		Pass
	490#	19.76		719.49		Pass
	491#	17.88		624.24		Pass
	492#	17.92		638.72		Pass
	493#	19.82		806.70		Pass
	494#	18.95		846.20		Pass
	495#	19.24		986.70		Pass
	496#	23.40		1025.62		Pass
	497#	18.55		708.21		Pass
	498#	21.25		705.38		Pass
	499#	23.91		814.42		Pass
	500#	19.11		863.00		Pass
	Maximum value	23.91		1025.62		—
	Minimum value	16.81		624.24		—
	Median value	19.03		746.47		—
	Average value	19.50		769.27		—

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The samples after accelerated aging:

Model	Sample Number	Tensile Strength (MPa)	Limit value (MPa)	Ultimate Elongation	Limit value	Test result
S	501#	17.41	≥ 14 MPa	577.74	$\geq 400\%$	Pass
	502#	20.31		529.30		Pass
	503#	26.39		825.99		Pass
	504#	22.87		886.34		Pass
	505#	17.35		554.17		Pass
	506#	18.77		705.20		Pass
	507#	25.17		731.01		Pass
	508#	16.66		556.04		Pass
	509#	17.43		573.38		Pass
	510#	20.52		725.83		Pass
	511#	19.74		558.65		Pass
	512#	22.67		850.65		Pass
	513#	20.47		703.13		Pass
	514#	16.46		531.85		Pass
	515#	25.10		813.55		Pass
	516#	31.96		864.36		Pass
	517#	27.84		765.06		Pass
	518#	20.51		751.80		Pass
	519#	22.17		610.86		Pass
	520#	19.67		574.29		Pass
	Maximum value	31.96		886.34		—
	Minimum value	16.46		529.30		—
	Median value	20.49		704.17		—
	Average value	21.47		684.46		—
M	521#	24.89	≥ 14 MPa	860.38	$\geq 400\%$	Pass
	522#	19.76		764.99		Pass
	523#	19.88		781.89		Pass
	524#	19.22		852.00		Pass
	525#	27.30		828.13		Pass
	526#	27.62		961.95		Pass
	527#	20.68		771.06		Pass
	528#	25.35		922.21		Pass
	529#	23.15		562.05		Pass
	530#	23.02		708.79		Pass
	531#	28.23		873.51		Pass
	532#	23.07		851.35		Pass
	533#	23.32		614.09		Pass
	534#	24.79		844.46		Pass
	535#	25.05		905.41		Pass
	536#	21.28		711.70		Pass
	537#	24.16		914.27		Pass
	538#	28.89		801.90		Pass
	539#	36.94		872.94		Pass
	540#	17.47		546.60		Pass
	Maximum value	36.94		961.95		—
	Minimum value	17.47		546.60		—
	Median value	23.74		836.30		—
	Average value	24.20		797.48		—

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L	541#	25.26	≥ 14 MPa	735.94	$\geq 400\%$	Pass
	542#	21.32		818.76		Pass
	543#	22.61		767.96		Pass
	544#	22.83		888.13		Pass
	545#	23.90		731.28		Pass
	546#	26.25		741.15		Pass
	547#	18.41		677.53		Pass
	548#	20.17		808.70		Pass
	549#	21.11		702.79		Pass
	550#	24.87		714.52		Pass
	551#	29.46		900.22		Pass
	552#	25.97		771.30		Pass
	553#	29.94		832.74		Pass
	554#	21.62		656.06		Pass
	555#	23.25		752.01		Pass
	556#	21.53		606.69		Pass
	557#	24.56		719.16		Pass
	558#	18.89		571.26		Pass
	559#	21.02		762.93		Pass
	560#	17.81		537.44		Pass
	Maximum value	29.94		900.22		—
	Minimum value	17.81		537.44		—
	Median value	22.72		738.55		—
	Average value	23.04		734.83		—
XL	561#	20.52	≥ 14 MPa	824.26	$\geq 400\%$	Pass
	562#	14.87		580.92		Pass
	563#	21.97		690.92		Pass
	564#	22.83		703.86		Pass
	565#	18.61		604.75		Pass
	566#	22.37		800.98		Pass
	567#	18.94		766.73		Pass
	568#	24.06		853.22		Pass
	569#	23.63		865.54		Pass
	570#	23.17		960.37		Pass
	571#	29.56		814.24		Pass
	572#	15.45		585.56		Pass
	573#	30.66		819.77		Pass
	574#	18.64		771.67		Pass
	575#	16.06		626.16		Pass
	576#	16.03		675.65		Pass
	577#	23.73		714.92		Pass
	578#	25.98		645.86		Pass
	579#	17.27		636.72		Pass
	580#	19.54		675.74		Pass
	Maximum value	30.66		960.37		—
	Minimum value	14.87		580.92		—
	Median value	21.24		709.39		—
	Average value	21.20		730.89		—

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Observations & Remarks:

None.

Pictures:



Fig.13 Accelerated aging conditions

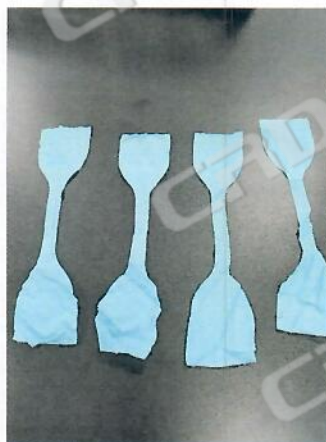


Fig.14 Sampling



Fig.15 Thickness test

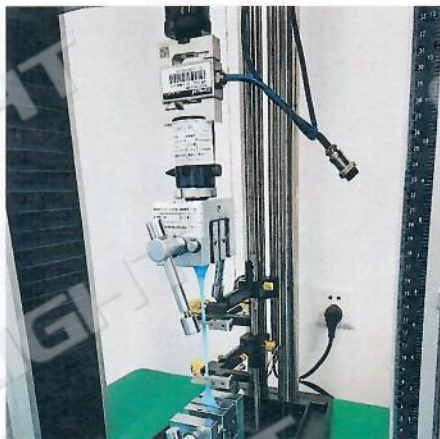


Fig.16 Physical property testing

The End of Report