



中国认可
国际互认
检测
TESTING
CNAS L0599

Test Report

No.: SHHL2408049498FT

Date: SEP. 04, 2024

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POLILAM CO., LTD.
1251 BUTLER RD STE A2/A3, LEAGUE CITY, TX 77573 US

Sample Description : Lab Grade Compact
SGS Ref No. : AJFS2408010161RS
Material : Paper, resin
Style /Item No. : C0076 LA
Color : black
Thickness : 12.7mm(1/2in)
Density : 1400kg/m³
Manufacturer : POLILAM NEW MATERIAL (JIANGSU) CO., LTD

Source of Sample : SENT BY CLIENT.
Sample Receiving Date : AUG. 27, 2024
Testing Period : AUG. 27, 2024 TO SEP. 04, 2024
Testing Location : LANE 3999, XIUPU RD., PUDONG DISTRICT, SHANGHAI, CHINA

Test Requested	Result
CHEMICAL/ STAIN RESISTANCE (SEFA 3-2020 RECOMMENDED PRACTICES FOR LABORATORY WORK SURFACES CLAUSE 2.1)	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

王春

Echo Wang
Authorized Signatory



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Test Conducted:

2.1 Chemical/ Stain resistance

Date Tested: MAY 17, 2024

Condition of Test Sample: Production Samples

Description of Samples:

Part Description:

Material Submitted: /

Material Specification: SEFA 3-2020

Test Procedure:

Test Method: SEFA 3-2020 Clause 2.1

Method A:

For volatile chemicals – A cotton ball, saturated with the test chemical, was placed in a one ounce bottle (10mm x 7mm test tube or similar container). The container was inverted on the test material surface for a period of 24 hours.

Temperature of test: 23° +/- 2°C (73° +/- 4°F). This method was used for the organic solvents..

Method B:

For non-volatile chemical – Five drop of the test chemical were placed on the test material surface. The chemical was covered with a watch glass for a period of 24hours.

Temperature of test: 23° +/- 2°C (73° +/- 4°F) This method was used for chemicals listed below other than solvent.

Rating Scale:

- | | |
|---------|--|
| Level 0 | No detectable change in the material surface. |
| Level 1 | Slight detectable change in color or gloss but no change in function or life of the surface. |
| Level 2 | A clearly discernible change in color or gloss but no significant impairment of surface life or function. |
| Level 3 | Objectionable change in appearance due to discoloration or etch, possibly resulting in deterioration of function over an extended period time. |

Number of Samples Tested:

1 shelf



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Deviation:

Acceptance Criteria:

Laboratory Grade work surface finishes shall result in no more than 4 Level 3 conditions

Results:

Test No.	Chemical	Method	Rating	Comments
1	Acetate, Amyl	A	0	/
2	Acetate, Ethyl	A	0	/
4	Acetone	A	0	/
6	Alcohol, Butyl	A	0	/
7	Alcohol, Ethyl	A	0	/
8	Alcohol, Methyl	A	0	/
10	Benzene	A	0	/
11	Carbon Tetrachloride	A	0	/
12	Chloroform	A	0	/
14	Cresol	A	0	/
15	Dichloroacetic Acid	A	0	/
16	Dimethylformamide	A	0	/
17	Dioxane	A	1	/
18	Ethyl Ether	A	1	/
19	Formaldehyde, 37%	A	0	/
21	Furfural	A	0	/
22	Gasoline	A	1	/
27	Methyl Ethyl Ketone	A	0	/
28	Methylene Chloride	A	0	/
29	Mono Chlorobenzene	A	1	/
30	Naphthalene	A	0	/
34	Phenol, 90%	A	0	/
46	Toluene	A	0	/
47	Trichloroethylene	A	0	/
48	Xylene	A	0	/



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Test No.	Chemical	Method	Rating	Comments
3	Acetic Acid, 98%	B	0	/
5	Acid Dichromate, 5%	B	0	/
9	Ammonium Hydroxide, 28%	B	1	/
13	Chromic Acid, 60%	B	0	/
20	Formic Acid, 90%	B	0	/
23	Hydrochloric Acid, 37%	B	0	/
24	Hydrofluoric Acid, 48%	B	1	/
25	Hydrogen Peroxide, 30%	B	0	/
26	Iodine, Tincture of	B	1	/
31	Nitric Acid, 20%	B	1	/
32	Nitric Acid, 30%	B	1	/
33	Nitric Acid, 70%	B	1	/
35	Phosphoric Acid, 85%	B	0	/
36	Silver Nitrate, Saturated	B	0	/
37	Sodium Hydroxide, 10%	B	0	/
38	Sodium Hydroxide, 20%	B	1	/
39	Sodium Hydroxide, 40%	B	1	/
40	Sodium Hydroxide, Flake	B	1	/
41	Sodium Sulfide, Saturated	B	0	/
42	Sulfuric Acid, 33%	B	0	/
43	Sulfuric Acid 77%	B	0	/
44	Sulfuric Acid, 96%	B	0	/
45	Sulfuric Acid, (77%) and Nitric Acid (70%), equal parts	B	1	/



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Test No.	Chemical	Method	Rating	Comments
49	Zinc Chloride, Saturated	B	0	/

Totals			
Items	Requirement	No. Reagent with 3 Ratings	Disposition
Volatile Subtotal:	-	0	---
Non-volatile Subtotal:	-	0	---
Grand Totals:	No More than Four Level 3 Conditions	0	*

Remark:

- Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
- The declaration of conformity is based on acceptance limits chosen based on simple acceptance ($w = 0$, $AL = TL$).

Statements of conformity are reported as:

Passed - The measured values were observed in tolerance at the points tested.

Failed - One or more measured values were observed out of tolerance at the points tested.



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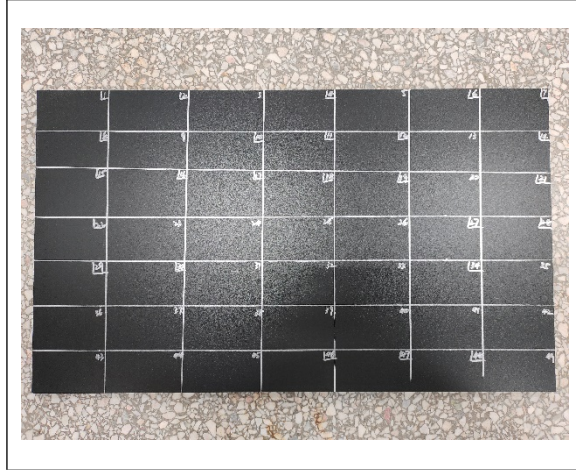
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Sample Photo:

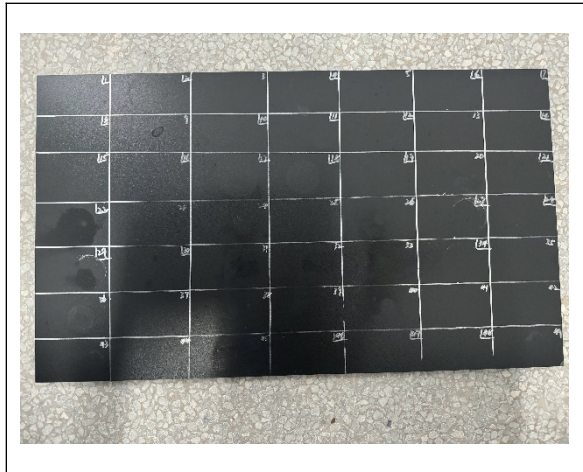
Received sample



Before test



After test



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End of Report



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