

TEST REPORT

No. : SHMR240200313801

Date : Mar 08, 2024

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CUSTOMER NAME: Hansin Precision Engineering (Shanghai)Co.,Ltd
ADDRESS: No. 529 Block 2 Dongkai Road Dongjing Town Songjiang District
Shanghai China 201619

Sample Name : Baydur 110 FR-2N
Material and Mark : Processing formulation using Baydur 110 FR-2N as per Covestro
BaydurVP.PU 1498 100 pbw, Exolit AP 422, Suppliers Clariant AG
17 pbw, Desmodur 44P01 128 pbw
Product specification : 125mm x 13mm x 5mm (20pcs)
Buyer : Covestro Polymer (China) Co,Ltd Shanghai Chempal Trading Co.,Ltd
Manufacturer : Bayer MaterialScience (Germany) Co., Ltd Clariant Produkte
(Deutschland)GmbH

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.

SGS Ref. No. : SHIN2402001158PL01
Date of Receipt : Feb 26, 2024
Testing Start Date : Feb 26, 2024
Testing End Date : Mar 08, 2024
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
SGS-CSTC Standards Technical
Services (Shanghai) Co., Ltd.

Eric Song
Authorized signatory



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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Vertical Burning	UL 94-2023 Section 8	Classification : V-0	/

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.



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Test Item: Vertical Burning

Sample Description: plastic specimen

Test Method: UL 94-2023 Section 8

Test Condition:

Specimen: 125.08 mm×12.99 mm×5.091 mm

Test Result:

Conditioning	As received : (23±2)°C, (50±5)%RH, 48h					Ageing: (70±2)°C, 168h→ Desiccator, (23±2)°C, 4h				
Specimen	1	2	3	4	5	1	2	3	4	5
Afterflame time after the first flame application (s), t ₁	0	0	0	0	0	0	0	0	0	0
Afterflame time after the second flame application (s), t ₂	2.9	2	2.6	1.4	3.1	1.4	1.7	1.3	1.4	1.5
Afterglow time after the second application (s), t ₃	0	0	0	0	0	0	0	0	0	0
Total afterflame time for any condition set (s), t ₁ +t ₂	12.0					7.3				
Afterflame time plus afterglow time after the second flame application (s), t ₂ +t ₃	2.9	2	2.6	1.4	3.1	1.4	1.7	1.3	1.4	1.5
Whether or not specimen burn up to the holding clamp	No	No	No	No	No	No	No	No	No	No
Whether or not the cotton was ignited by flaming particles or drops	No	No	No	No	No	No	No	No	No	No

Classification: V-0 (See table 1)



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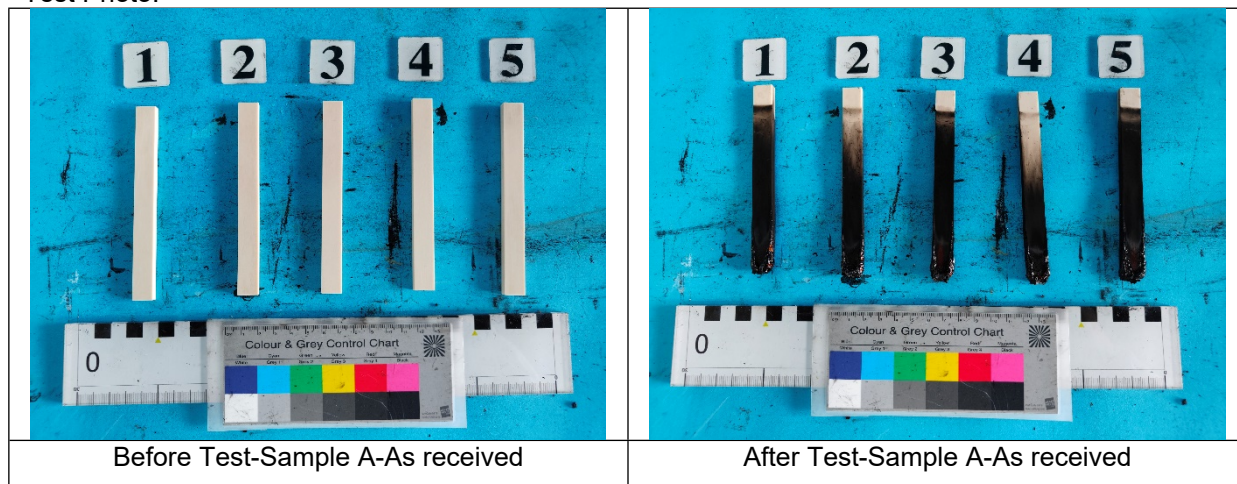
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Table 1

Criteria conditions	V-0	V-1	V-2
Afterflame time for each individual specimen t_1 and t_2	$\leq 10s$	$\leq 30s$	$\leq 30s$
Total afterflame time for any condition set (t_1 plus t_2 for the 5 specimens)	$\leq 50s$	$\leq 250s$	$\leq 250s$
Afterflame plus afterglow time for each individual specimen after the second flame application (t_2+t_3)	$\leq 30s$	$\leq 60s$	$\leq 60s$
Afterflame or afterglow of any specimen up to the holding clamp	No	No	No
Cotton indicator ignited by flaming particles or drops	No	No	Yes

Test Photo:



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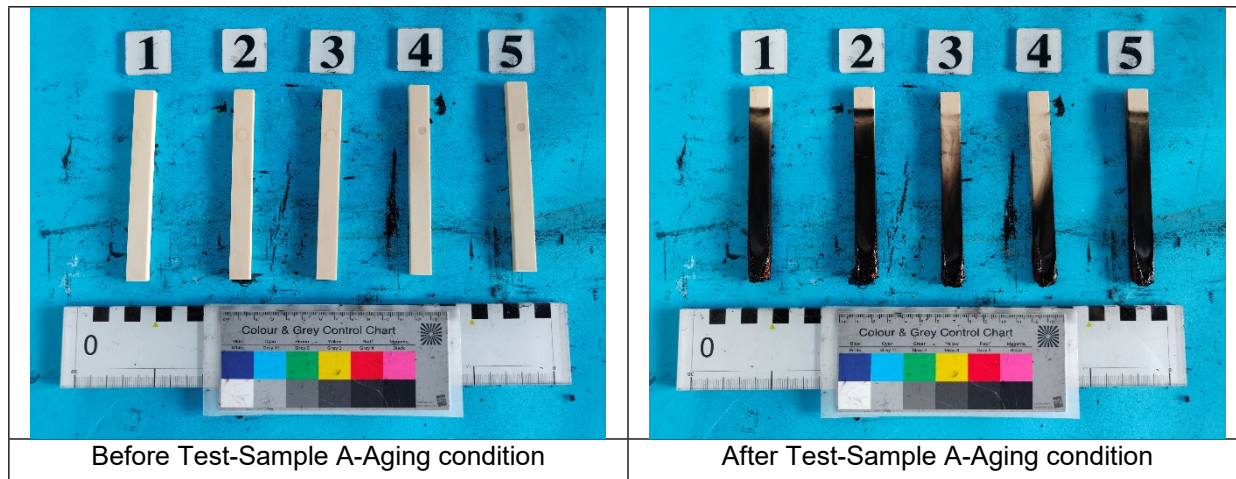
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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Oven	FED720	P-215	2023-05-17	2024-05-16
Horizon and vertical flame chamber	HVUL2	P-596	2023-05-19	2024-05-18

Appendix information:

In the territory of the People's Republic of China, the test report without CMA logo expresses the test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc., and just for client internal reference.

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



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