

Test Report

Report No.: KN-2502-0397-A

Applicant Company: Ningbo Langchi New Materials Technology Co., Ltd.

Address: No. 59 Lixin Road, Zonghan Street, Cixi City, Zhejiang province

Sample Description: Single-Layer Flame Retardant Hose/Flame Retardant Polyurethane

Model: LCFRPU

Source of Sample: SUBMITTED BY CLIENT.

Test Item: Burning Test (UL94 V0)

Date of Sample Received: Feb. 27, 2025

Date of Testing: Feb. 27, 2025 to Mar. 03, 2025

Date of Report Released: Mar. 04, 2025

Shanghai KUIEN Technical Testing Service Co., LTD

Reporter / Main testing:

Verifier:

Approver:



Sun Jun

Date: Mar. 04, 2025



Landy Luan

Date: Mar. 04, 2025



Justin Jin

Date: Mar. 04, 2025



Shanghai KUIEN Technical Testing Service Co., LTD

Address: Building 3, No.222, East Jiangtian Road, Songjiang District, Shanghai

Phone: +86 21 57863965

Email: cs@kuien.com.cn



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The test results are listed as below:

	Specimen No.	Specimen thickness (mm / in.)	Afterflame time after the first 10s flame application (t_1) (s)	Afterflame time after the second 10s flame application (t_2) (s)	Afterglow time after the second 10s flame application (t_3) (s)	t_1+t_2 (s)	t_2+t_3 (s)	Afterflame afterglow of up to the holding clamp (YES or NO)	Cotton indicator ignited by flaming particles or drop (YES or NO)	Result
VB 50W Flame	1	3.2 / 1/8	0	1.0	0	1.0	1.0	NO	NO	V-0
	2	3.2 / 1/8	0	2.0	0	2.0	2.0	NO	NO	
	3	3.2 / 1/8	0	1.0	0	1.0	1.0	NO	NO	
	4	3.2 / 1/8	0	1.0	0	1.0	1.0	NO	NO	
	5	3.2 / 1/8	0	0	0	0	0	NO	NO	

Materials Classification according to VB test:

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

NVC = Non-Vertical-Classification: any material that cannot pass V2 classification in a VB test.



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Sample photo



-End of report-

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