



TC-5825

YOGI ENTERPRISES

INDRAYANI CORNER, SHOP NO 1,PAP J-154,YOGIRAJ PALACE, NEAR BEHIND QUALITY
CIRCLE,TELCO ROAD, BHOSARI

Pune-411026

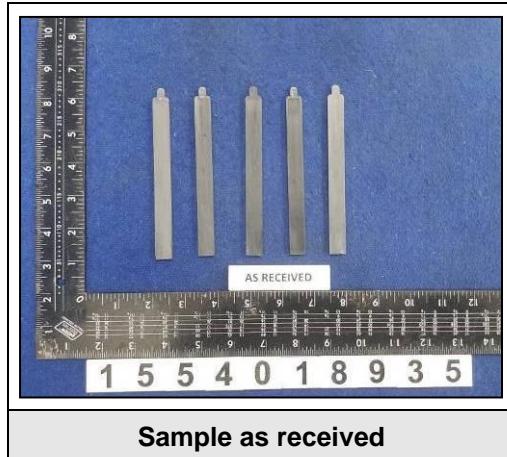
IN

CONTACT PERSON : MR SAGAR VALIYA

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

DISCIPLINE	MECHANICAL
GROUP	PLASTICS AND PLASTIC PRODUCTS
SAMPLE DESCRIPTION	TECOX FR POLYPROPYLENE FLEXIBLE PIPE
COLOUR	BLACK
PART NO	FR PP PIPE
PRODUCTION DATE	26-09-2024
OEM	OTHER
COUNTRY OF ORIGIN	INDIA
DATE OF SAMPLE REGISTRATION	09/10/2024
TEST(S) REQUESTED	FLAMMABILITY TEST

TESTING PERIOD : 01/11/2024 – 08/11/2024

**FLAMMABILITY TEST :**

UL 94 : 2023, Clause No. 8 (V-2)

JOE No. : 2454803923

Control No.:1554516446

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Test Instrumentation :

Instrument Name	Instrument Make	Date of calibration	Calibration due date
Digital Vernier caliper	Mitutoyo	25/10/2024	25/10/2025
Oven	ANM	07/06/2024	07/06/2025
Digital stopwatch	Racer	24/05/2024	24/05/2025

Test condition :**• Conditioning for specimens :**

Condition 1 – Sample preconditioned at $23\pm2^{\circ}\text{C}$ & $50\pm10\%$ RH for 48 hrs.

Condition 2 – Kept the sample at $70 \pm 1^{\circ}\text{C}$ for 168 hrs. Then cool in Desiccator for 4 hrs.at RT

Once removed from the pre-conditioning environment, specimens tested within 30 minutes.

• Conditions for cotton :

Cotton conditioned in the desiccator for 24 hours prior to use.

Once removed from the desiccator, the cotton used within 30 minutes.

No. of Specimen(s) :

2 sets of 5 Specimens for condition 1

2 sets of 5 Specimens for condition 2

Classifications :

Materials classified V-0, V-1 or V-2 shall comply with the following requirements

Criteria conditions	V-0	V-1	V-2
After flame time for each individual specimen t ₁ or t ₂	$\leq 10\text{s}$	$\leq 30\text{s}$	$\leq 30\text{s}$
Total after flame time for any condition set (t ₁ plus t ₂ for the 5 specimens)	$\leq 50\text{s}$	$\leq 250\text{s}$	$\leq 250\text{s}$
After flame plus afterglow time for each individual specimen after the second flame application (t ₂ +t ₃)	$\leq 30\text{s}$	$\leq 60\text{s}$	$\leq 60\text{s}$
After flame or afterglow of any specimen up to the holding clamp	No	No	No
Cotton indicator ignited by flaming particles or drops	No	No	Yes

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Observation :

- Condition – 1 : At $23 \pm 2^\circ\text{C}$ & $50 \pm 10\%$ RH for 48 hrs. :

Specimens	1	2	3	4	5
Specimen thickness (mm)	3.20	3.20	3.21	3.21	3.20
After flame time after the first flame application (sec) t_1	2	2	1	2	2
After flame time after the second flame application (sec) t_2	3	4	3	4	5
Afterglow time after the second flame application (sec) t_3	0	0	0	0	0
Total after flame time for any condition set (s) $t_1 + t_2$	28				
After flame plus afterglow time after the second flame application (s) $t_2 + t_3$	3	4	3	4	5
Whether or not specimen burn up to the holding clamp (Yes/No)	No	No	No	No	No
Whether or not the cotton was ignited by flaming particles or drops (Yes/No)	Yes	Yes	Yes	Yes	Yes
Classification	Material classified as V-2				

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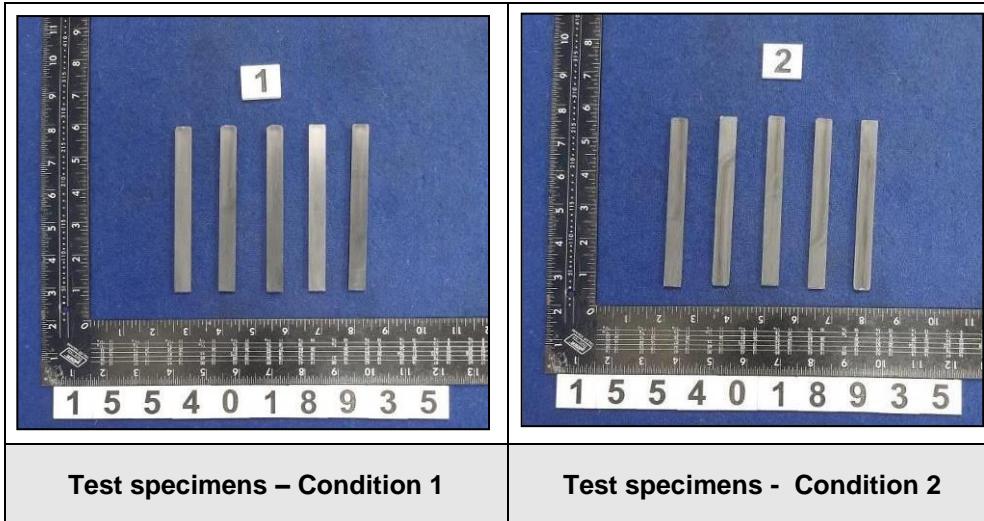
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- Condition – 2 : At $70 \pm 1^\circ\text{C}$ for 168 hrs. :**

Specimens	1	2	3	4	5
Specimen thickness (mm)	3.21	3.20	3.18	3.20	3.21
After flame time after the first flame application (sec) t_1	4	3	3	2	2
After flame time after the second flame application (sec) t_2	5	6	6	5	7
Afterglow time after the second flame application (sec) t_3	0	0	0	0	0
Total after flame time for any condition set (s) $t_1 + t_2$	43				
After flame plus afterglow time after the second flame application (s) $t_2 + t_3$	5	6	6	5	7
Whether or not specimen burn up to the holding clamp (Yes/No)	No	No	No	No	No
Whether or not the cotton was ignited by flaming particles or drops (Yes/No)	yes	yes	yes	yes	yes
Classification	Material classified as V-2				

- Test photograph :**





ULR -TC582524000019782F

TEST REPORT

Report No. : PN:TR:1554018935



TC-5825

ISSUE DATE : 14/11/2024

Note : Test performed as per the conditions given by the customer.

***** End of Report*****

Per pro SGS India Private Ltd.

Aditya Kumar Subudhi

Manager

Authorized signatoryEmail your Test Report Related Enquiries at Feedback.trp@sgs.com

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