



THE BOMBAY TEXTILE RESEARCH ASSOCIATION

(Approved Body of the Ministry of Textiles, Govt. of India)

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BTRA TEST LABORATORIES TEST REPORT



Report Details : BTL/TR/2205398/MWO/1/2022 dtd 21/09/2022

Customer : Gyptech Systems Private Limited
C-17, Miraj Apartment, Nr Natubhai Circle Race,
Course, Vadodara, Gujarat-390007
IN-

ULR No : TC694122000005398P

Total Number of Samples in Order : 2

Date of performance of test : 13/09/2022

To

21/09/2022

Reference : E-Mail Dtd.13.9.2022

Received on : 13/09/2022

Despatched on :

SAMPLE NO.	2205398/MWO/1
SAMPLE MARK	Akostika - Sample Size 12 mm x 1200 mm x 20 mm (Sample Thickness)

TEST RESULTS

TEST: Vertical Flammability test (UL 94)

1) Sample conditioning -

Set A: Temperature $23 \pm 2^\circ\text{C}$ Humidity $50 \pm 5\%$ for 48 hrs

Set B Oven: Temperature $70 \pm 2^\circ\text{C}$ for 168 hrs

Observations	Set A					Set B				
	1	2	3	4	5	1	2	3	4	5
After flame time after 1 st flame impingement t_1 (s)	14	19	14.2	6.4	0	6	10	12	0	0
After flame time after 2 nd flame impingement t_2 (s)	0	0	0	0	0	0	0	0	0	0
After glow time after 2 nd flame impingement t_3 (s)	0.5	0.2	0.8	0.2	0.2	0.2	0.2	0.3	0.6	0.8
After flame time + afterglow time after 2 nd flame impingement t_2+t_3 (s)	0	0	0	0	0	0	0	0	0	0
Total flaming time t_f (s) = $(t_1 + t_{2i})$ i= 1 to 5	14	19	14.2	6.4	0	6	10	12	0	0
Total after flame time for any condition set (t_1 plus t_2 for the five specimen)	53.6					28				
Whether any of the specimens burn up to the 125 mm mark	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Whether any of the specimens drip flaming particles which ignite the cotton swatch	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

* After flame is observed due to the burning of binder or additives on the side edges.

SAMPLE No:	Materials Classification
2205398-1-Akostika	V1



Madichetty
Chandrasekhar Madichetty
(Authorised Signatory)