

DOC No. : 12403010001 I-30,DLF Industrial Area, Phase-1, Faridabad,
Telephone : +91 9910808996 Faridabad, Haryana, India - 121003
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BO Code : None

Test REPORT AS PER : IS 17953 (2023)

QR Code/Barcode : 100000604088

REPORT NO : 10434896/2024/SS/1_1

DATE : 03 Apr, 2024

PART A. PARTICULARS OF SAMPLE SUBMITTED

a) Customer Name & Address : Encraft India Private Limited
Khasra Number 1000, 1001, Selaqui Ind.A.,
SELAQUI, DEHRADUN, UTTARAKHAND, INDIA -
248197

b) Nature of sample : SS

c) Grade/Variety/Type/Class Size etc : Upvc profiles for window & doors, mono
extrusion, profile identification code PSLSS02

d) Declare values, if any : 500

e) Batch No. & Date of Manufacture : 32312190302/

f) Quantity : 10

g) Date of Receipt : 01 Mar, 2024

h) BIS Seal : Verified by Sample Cell

i) IO's Signature : Verified by Sample Cell

j) Any other Information / Expiry Date, If any : -/MORE THEN 10 YRS

k) Date of Commencement of Testing : 02 Mar, 2024

l) Date of Completion of Testing : 03 Apr, 2024

m) Section Code : 24MFD83

n) Section Report No. : 24MFD83_1

o) Report Type : New

p) Reference Report No. :

q) Remarks :

Nitin Chauhan
OIC SAMPLE CELL
(Authorized Signatory)
Authorized on: 03 Apr, 2024 18:12 PM

1.

This is a Computer Generated Report.

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PART B. SUPPLEMENTARY INFORMATION

- | | |
|--|----------------|
| 1. Reference to sampling procedure, wherever applicable. | Not Applicable |
| 2. Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any. | Not Applicable |
| 3. Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any. | Not Applicable |
| 3. NABL Report required ? | - |

Yashdeep Kamal Kumar
OIC Mechanical
(Authorized Signatory)
Authorized on: 03 Apr, 2024 18:11 PM

This is a Computer Generated Report.

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PART C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	Cl. No.5.1.3, a), Table no. 1(i)	Monoextrusion or coextrusion of a layer of any visible surface	-	-	-	-	The partial report is attached.
2	Cl. No.5.1.1	UV Resistant Virgin Material	As per Annexure B	-	-	-	The complete test report is attached.

Yashdeep Kamal Kumar
OIC Mechanical
(Authorized Signatory)
Authorized on: 03 Apr, 2024 18:11 PM

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PART D. REMARKS

Yashdeep Kamal Kumar
OIC Mechanical
(Authorized Signatory)
Authorized on: 03 Apr, 2024 18:11 PM

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TEST REPORT

Report No.: **24MFD83**

Page 1 of 4
Date: 02-04-2024

Issued To:

M/s ENCRAFT INDIA PVT. LTD.

Khasra Number 1000-1001, Beehive College Road, Jamanpur,
Central Hope Town, Selaqui Industrial Area, Dehradun, PIN-
248197, Uttarakhand, INDIA

Sample Description : SAMPLE CODE - 10434896/2024/SS/1, QR CODE - 10000604088
Sample Received Date : 01-03-2024
Sample Drawn By : Client
Specification : --
Test Requested : TEST AS ER IS 17953:2023
Test Method : Refer to Attached Pages.
Test Result : Refer to Attached Pages.

Authentication: To Check authenticity of Test report (s), Scan QR code to get original data.



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ISO 9001 : 2015, ISO 14001:2015 & OHSAS 18001:2007 Certified Laboratory

Terms & Conditions:

1. Sample will not be retained more than one month for chemical and three month for mechanical unless specified instructed. 2. Samples analysis conducted on as received basis and followed by customer description, unless specified otherwise. 3. The laboratory will not be liable for sample destroy/damage during testing, unless instructed otherwise. 4. Any Complaints matter about this report should be communicated in written, within 7 days of issue of this report. 5. The result listed refer only to the tested samples and applicable parameters as described by customer. Endorsement of product is neither inferred nor implies. 6. Total liability of our laboratory is limited to the invoiced amount only. 7. This report cannot be used as and evidence in a court of law without the written approval of the laboratory.



TEST REPORT

Report No.: **24MFD83**

Page 2 of 4
 Date: 02-04-2024

PART –A: PARTICULERS OF SAMPLE SUBMITTED:

Nature of sample	:	UPVC Profile for Windows and Doors
Grade/Variety/Type/Class	:	UPVC Profile - mono extrusion Main profile with laminated foils and PVC resin. Code – PSLSS02
Brand Name, if any	:	-
Declared Value, if any	:	Width – 84.0 mm, Depth – 42.0 mm, Thickness - 2.2 mm, Mass of profile 1.043 kg/m, 10434896/2024/SS/1
Code No.	:	-
Designation Code	:	-
Batch No. & Date of Mfg.	:	32312190302 & 19.12.2023
Quantity of sample received	:	10 nos. of 1m profile, 6 nos. of welded corner, 6 nos. of welded T joints 3 kg of compound resin (Raw material)
Condition of sample received	:	Satisfactory
Mode of packing	:	-
Manner of seal	:	-
Manner of Signature	:	-
Other information if any	:	-

PART-B: SUPPLIMENTARY INFORMATION:

- a) Reference to the sampling procedure, wherever applicable: N/A
- b) Supporting to the documents for the measurement taken and result derived like graph, table, sketches, and/or photographs as appropriate to test report, if any [To be attached]: N/A
- c) Deviation from the test methods as prescribed in relevant ISS/work instruction, if any: N/A

PART – C: TEST RESULTS:

TEST REPORT AS PER IS 17953:2023

I. Chemical & Mechanical

Test Method: IS 17953:2023

Test performed on: 04-03-2024 to 02-04-2024

Sr. no	Clause No.	Test (s)	Unit	Requirement	Result obtained
1	5.1.1	UV Resistant Virgin Material	--	UV resistant / Non UV resistance	UV resistance (declared by manufacture)
		Vicat Softening Temperature as per IS 13360 (Part 6/Sec 1)	°C	≥ 75.0 Average	79.6
		Flexural Modulus of Elasticity as per IS 13360 (Part 5/Sec 7)	N/mm ²	≥ 73.0 Individual	76.9
		Tensile Impact Strength as per IS 13360 (Part 5/Sec 27)	kJ/m ²	≥ 2200.0 Average	2388.0
				≥ 2000.0 Individual	2310.0
2	5.2	Appearance of uPVC Profile	--	The colour of the profile shall be the same and uniform on all visible surfaces,	Satisfactory
		L	--	≥ 82	96.26
		a	--	- 2.5 ≤ a* ≤ 5	1.66
		b	--	- 5 ≤ b* ≤ 15	0.92

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TEST REPORT

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Sr. no	Clause No.	Test (s)	Unit	Requirement	Result obtained	
3	5.3	Dimensions and Tolerances				
		Depth (D)	mm	42.0 ± 0.3	42.08	
		Width (W)	mm	84.0 ± 0.5	84.10	
		Sight visible surface wall thickness	mm	2.2 (- 10 % max)	2.19	
		Sight visible surface flatness,	mm	0.3 max.	0.23	
		Parallelism	mm	0.5 max.	0.35	
4	5.3.4	Straightness	mm	1 max.	0.58	
5	5.4	Mass of profile	%	Not less than 95	99.71	
6	5.5	Heat Reversion				
		Main profile	%	≤ 2.0	0.98	
		Difference of heat reversion	%	≤ 0.4	0.24	
		Auxiliary profiles	%	NA	NA	
7	5.6	Resistance to Impact of Falling Mass	--	No more than one test specimen shall show rupture in the tested external sight visible surface. For co-extruded uPVC profiles, delamination of co-extruded layer shall be considered as a failure	No failure observed	
8	5.7	Heat Ageing	--	The profiles shall not show defects such as blisters, cavities, cracks and surface peel offs on any of the surfaces. For co-extruded uPVC profiles, delamination of co-extruded layer shall be considered as a failure.	Satisfactory	
9	5.8	Weldability				
	5.8.1	Tensile Bending Test	N/mm ²	≥ 20 Individual value	24.49	
				> 25 Avg. value	25.55	
5.8.2	Compression Bending Test	N/mm ²	≥ 28 Individual value	32.47		
			> 35 Avg. value	35.50		

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TEST REPORT

Report No.: **24MFD83**

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Sr. no	Clause No.	Test (s)	Unit	Requirement	Result obtained
10	5.9 Table 3	Charpy Impact Strength (before artificial Weathering)	kJ/m ²	≥ 65	68.3
11	5.10.3 Table 3	Charpy Impact Strength (after artificial Weathering)	kJ/m ²	≥ 52	Test Under process
		Max. Impact of Reduction (after artificial Weathering)	%	20	Test Under process
12	5.10.4	Colour Fastness (after artificial Weathering)	--	ΔE - ≤ 5 Δb- ≤ 3	Test Under process
13	5.11	Density	g/cm ³	1.40 to 1.50	1.45

PART – D: REMARKS: The above submitted sample/product conforms to the requirements of IS 17953:2023 with respect to above test only.

- Note:**
- 1) Selection of samples for individual test have been done in accordance with respective clauses of IS 17953:2023
 - 2) Details of sub-contracted: Nil
 - 3) Remnant samples will be disposed off after 03 months from the date of issue of test report.

-----End of Report-----




Rahul
ASSISTANT MANAGER- TESTING

Authorised Signatory

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