

केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं  
प्रौद्योगिकी संस्थान (सिपेट)

(पूर्व में केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)  
रसायन एवं पेट्रोसायन विभाग  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
एन.एच.-31, चांगसारी, गुवाहाटी-781101  
जिला-कामरूप, असम  
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वेबसाइट : www.cipet.gov.in  
मुख्यालय : गिण्डी, चेन्नै - 600 032



सिपेट CIPET



CENTRAL INSTITUTE OF PETROCHEMICALS  
ENGINEERING & TECHNOLOGY(CIPET)

(Formerly Central Institute of Plastics Engineering & Technology)  
Department of Chemicals & Petrochemicals  
Ministry of Chemicals & Fertilizers, Govt. of India  
NH-31, Changsari, Guwahati-781101  
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Head Office: Guindy, Chennai-600 032

सन्दर्भ/Ref. CIPET: CSTS/GHY/Test Report/2024-25/ 1213

दिनांक/Date: 16.12.2024

सेवा में/To,

M/S Durakraft Extrusions Private Limited  
D-22, Meerut Road Industrial Area, Ghaziabad,  
Uttar Pradesh, 201003

महोदय

Dear Sir,

विषय/Subject: परीक्षण पत्र भेजने के सन्दर्भ में/Test certificate- Reg.

सन्दर्भ-/ Ref: Your letter No. Nil received dated 05.11.2024 & email dated 16.10.2024

उपरोक्त विषय के सन्दर्भ में कृपया इस पत्र के साथ संलग्न परीक्षण पत्र संख्या 4693 प्राप्त करें। कृपया प्राप्ति की पावती भेजने का कष्ट करें।

With reference to the above, please find enclosed herewith the Test Report No. 4693 for samples of uPVC Window & Door Profiles as submitted; vide your letter referred as above.

Please acknowledge the receipt of the same.

धन्यवाद /Thanking you.

भवदीय /Yours sincerely,

अधिकृत हस्ताक्षरकर्ता/ Authorised Signatory

सिपेट: सी.एस.टी.एस-गुवाहाटी/CIPET:CSTS-Guwahati

संलग्न उपरोक्त /Encl : As above

केन्द्रों : अहमदाबाद, अमृतसर, औरंगाबाद, अगरतला, अयोध्या, बदी, बालासोर, बेंगलुरु, भोपाल, भुवनेश्वर, भागलपुर, चंद्रपुर, चेन्नई, देहरादून, दिल्ली, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्चि, कोरबा, लखनऊ, मदुरै, मुरथल, मैसूरु, नवसारी, पी डब्ल्यू एम सी-सिपेट गुवाहाटी, रायपुर, राँची, वलसाड, वाराणसी एवं विजयवाड़ा।

Centres: Ahmedabad, Amritsar, Aurangabad, Agartala, Ayodhya, Baddi, Balasore, Bengaluru, Bhopal, Bhubaneswar, Bhagalpur, Chandrapur, Chennai, Dehradun, Delhi, Guwahati, Gwalior, Hyderabad, Hajipur, Haldia, Imphal, Jaipur, Kochi, Korba, Lucknow, Madurai, Murthal, Mysuru, Navsari, PWMC CIPET-Guwahati, Raipur, Ranchi, Valsad, Varanasi & Vijayawada .



केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं प्रौद्योगिकी संस्थान (सिपेट) – सी.एस.टी.एस.

रसायन एवं पेट्रोसायन विभाग, रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
एन.एच.-३१, डाक : चांगसारी, गुवाहाटी, जिला-कामरूप, असम - ७८१ १०१

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Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India

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Phone : +91 7099089301 / 0361-2910477

क्र./No. 16618

परीक्षण प्रमाण-पत्र / TEST CERTIFICATE

Issued to:

M/S Durakraft Extrusions Private Limited  
D-22, Meerut Road Industrial Area, Ghaziabad,  
Uttar Pradesh, 201003



Page No. 01 of 02  
Test Report No.: 4693  
Date: 16.12.2024

Ref: Your letter No. Nil received dated 05.11.2024 & email dated 16.10.2024

Date of Performance of test:  
20.11.2024 to 13.12.2024

Our Work Order No.: PTC/11/2024-25/241

TEST REPORT

PART A: PARTICULARS OF SAMPLE SUBMITTED

Nature of Sample	: uPVC Window & Door Profiles as stated by the party
Grade / Variety / Type / Size / Class etc.	: uPVC Window & Door Profiles as stated by the party
Declared values, if any	: Not mentioned
Code No.	: Not mentioned
Batch No. and date of manufacture	: Not mentioned
Quantity	: 01 mtr x 06 pcs & 300 mm x 02 pcs as received
Mode of Packing	: Cartoon wrapped
Seal	: Unsealed
Sample received on	: 06.11.2024 & 03.12.2024
Any other information	: Payment received on dated 06.11.2024

PART B: SUPPLEMENTARY INFORMATION

a) Reference to sampling procedure	: Not Applicable
b) Supporting documents for the measurements taken & results derived	: As mentioned in Part C
c) Deviation from the test methods as prescribed in relevant ISS / Work instructions, if any	: Not Applicable

Mitali Roy

S. Harba



# केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं प्रौद्योगिकी संस्थान (सिपेट)- सी.एस.टी.एस.

रसायन एवं पेट्रोसायन विभाग, रसायन एवं उर्वरक मंत्रालय, भारत सरकार

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## सतत पत्रक / CONTINUATION SHEET



Page 02 of 02

Test Report No: 4693

Date: 16.12.2024

Test Method/ Standard: IS, ASTM, ISO & As per party's requirement

### PART - C: TEST RESULTS

Sl. No.	Name of the test	Standard	Unit	Result Obtained
				UPVC Window & Door Profiles
1	Density test	IS : 13360 (Part 3/ sec-10)	g/cc	1.49
2	Moisture content	IS : 2380 (Part 3) : 1977	%	0.03
3	Water absorption (2 hrs)	IS : 2380(Part -XVI): 1977	%	0.06
4	Water absorption (24 hrs)		%	0.22
5	Tensile strength	IS: 1734 (Part- 9) :1983	N/mm <sup>2</sup>	46.22
6	Flexural Strength	ASTMD 790	MPa	63.40
7	Flexural Modulus		MPa	2694.2
8	Screw withdrawl Test	IS : 2380 (Part XIV) : 1977	kgf	63.5
9	Heat Reversion	IS17953:2023	%	0.55 (Max.) Difference b/w the heat reversion values 0.38
10	Heat Deflection temperature @ 0.455 MPa	ASTMD 648	°C	82.1
11	Vicat Softening temp. (VST)	ASTMD 1525	°C	93.8
12	Sulphated as content	ISO 3451	%	12.23
13	Izod Impact Resistance	ASTMD 256	J/m	53.08
14	Charpy Impact Resistance	ASTMD 6110	J/m	18.68
15	Drop Impact Test	As per party's requirement	--	Passes the test

### PART- D: REMARK: Nil

NB: i) The results relate only to the items tested as supplied by the party.

ii) The test certificates shall not be reproduced except in full without the written approval of the Laboratory.

iii) Lab Test Condition - Temp: 27 ± 2 °C, RH: 65 ± 5 %

*Mitali Roy*

Mitali Roy

Senior Technical Assistant  
AUTHORISED SIGNATORY

*Sagolsem Itomba*

Sagolsem Itomba  
Technical Officer  
AUTHORISED SIGNATORY