

केंद्रीय पेट्रोसायन अभियांत्रिकी एवं
प्रौद्योगिकी संस्थान

पेट्रोकेमिकल्स तकनीकी संस्थान

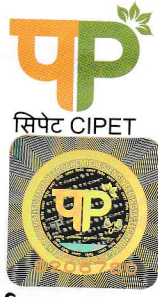
रसायन एवं पेट्रोसायन विभाग

रसायन एवं उर्वरक मंत्रालय, भारत सरकार

गिण्टी, चेन्नै - 600 032.

फोन : 91-44-2225 4701-6 फैक्स : 91-44-22254707

ई-मेल : chennai@cipet.gov.in वेबसाइट : www.cipet.gov.in



CENTRAL INSTITUTE OF PETROCHEMICALS
ENGINEERING & TECHNOLOGY
INSTITUTE OF PETROCHEMICALS TECHNOLOGY

Department of Chemicals & Petrochemicals

Ministry of Chemicals & Fertilizers, Govt. of India

Guindy, Chennai - 600 032.

Tel : 91-44-2225 4701-6 Fax : 91 - 44 - 22254707

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को जारी/
Issued to :

परीक्षण रिपोर्ट / TEST REPORT

THREE DIAMOND UPVC PVT. LTD.

No.47A, Chelliamannagar, Vadaperumbakkam, Chennai,
Tamil Nadu - 600 060

क्र.सं / SI. No. 35880

रिपोर्ट सं / REPORT NO. 79790

दिनांक / Date : 16-12-2024

Pages.....Nos. Part A,B,C & D

संदर्भ / Customer Let. Ref : --

परीक्षण मानक स्तर के अनुसार परीक्षण रिपोर्ट / TEST REPORT AS PER TEST STANDARD : Refer Part C

भाग - क / PART - A

प्रस्तुत सैपिल का विवरण / PARTICULARS OF SAMPLE SUBMITTED

- अ) सैपिल का नाम / a) Name of the Sample : UPVC Profiles - as stated by party
- आ) सैपिल प्राप्त होने की तारीख / b) Date of Receipt of sample : 28-10-2024
- इ) ग्रेड/प्रकार/आकार/वर्ग / c) Grade / variety / type / size / class : Nil
- ई) घोषित मूल्य / d) Declared value, If any : Nil
- उ) कोड सं. / e) Code No. : Nil
- ऊ) बैच सं. एवं निर्माण तारीख / f) Batch No. and Date of Manufacture: Nil
- ऋ) मात्रा / g) Quantity : 1 mtr. X 10 nos.,
- ए) पैकिंग की रीति / h) Mode of Packing : wrapped in film
- ऐ) मोहर बंद या नहीं / i) Sealed or not : Not Sealed
- ओ) कोई अन्य सूचना / j) Any other information : Brand : Three Diamond UPVC Profiles - as stated by the party.

24102254

भाग - ख / PART - B

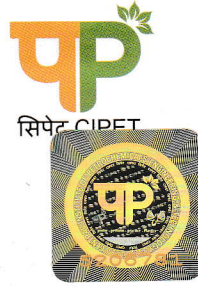
अनुपूरक सूचनाएँ / SUPPLEMENTARY INFORMATIONS

- अ) सैपिलिंग कार्यवाहियों हेतु संदर्भ / a) Reference to sampling procedure : Sampling not done by this lab
- आ) माप करने हेतु लिए गए सहायक दस्तावेज एवं प्राप्त परिणाम
b) Supporting documents for the measurement taken and result derived : As given in Part C
- इ) संबंधित कार्य अनुदेशों में निर्धारित के अनुसार परीक्षण रीति से कोई परिवर्तन
c) Deviation from the test method as prescribed in relevant standards

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परीक्षण रिपोर्ट / TEST REPORT

रिपोर्ट सं / REPORT NO. : **79790**
16-12-2024

क्र.सं / Sl. No. **35880**

दिनांक / Date :

Test Duration: 30-10-2024 To 16-12-2024

भाग - ग / PART - C

परीक्षण परिणाम / TEST RESULTS

S. no.	Test Name	Test Method / Standard	Unit	Specified Requirement	Test Value Obtained
1	Vicat Softening Temperature @ 5 Kg load	IS 17953	°C	> 75.0	76.7
2	Flexural Modulus of Elasticity	IS 17953	N/mm ²	≥2200.0	3450.0
3	Appearance of uPVC Profile	IS 17953	-	The colour of the profile shall be the same and uniform on all visible surface.	Complies
4	Colour Measurement L a b	CIE 1976	-	≥ 82.0 -2.5 ≤ a ≤ 5 -5 ≤ b ≤ 15	93.09 0.41 -0.38
5	Dimensions and Tolerance: Depth	IS 17953	mm	-	112.0
6	Width	IS 17953	mm	-	52.40
7	Sight visible surface wall thickness	IS 17953	mm	Max 10%	2.14
8	Non-sight visible surface wall thickness	IS 17953	mm	-	1.98
9	Sight visible surface flatness	IS 17953	mm	Max : 0.3	0.25
10	Parallesim	IS 17953	mm	Max : 0.5	0.30
11	Straightness	IS 17953	mm	Shall not be more 1.0	0.40
12	Heat Reversion	IS 17953	%	Main profile < 2.0	1.38

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No.47A, Chelliammannagar, Vadaperumbakkam, Chennai, Tamil Nadu - 600 060

LetterRef.: --

Dated:

रिपोर्ट सं / REPORT NO. **79790**

परीक्षण परिणाम / TEST RESULTS

दिनांक /Date **16-12-2024**

S. no.	Test Name	Test Method / Standard	Unit	Specified Requirement	Test Value Obtained
13	Resistance to Impact of Falling Mass	IS 17953	-	No more than one test specimen shall show rupture in tested external sight visible surface. For co-extruded UPVC profiles, delamination of co-extruded layer shall be considered as a failure.	Comfirms
14	Heat Ageing Visual Appearance	IS 17953	-	The profile shall not show defects such as bilisters, carifies cracks and surface peel off on any of the surface for co-extruded UPVC delamination of co-extruded layer shall be considered as a failure.	Comfirms
15	Weldability - Tensile Bending Test - L Corner	IS 17953	N	-	378.0
16	Weldability - Compression Bending Test - L Corner	IS 17953	N	-	1757.0
17	Charpy Impact Resistance of Main Profile(Notched)	IS 17953	kJ/m ²	> 65.0	67.69
18	Density	IS 17953	g/cc	1.40 to 1.50	1.50

Part-D	REMARKS
	<ol style="list-style-type: none">1. This Test report/Certificate is issued only for the samples submitted to CIPET2. The Results stated above related only to the items tested.3. The Quality of the subsequent production lot has to be ensured by the purchaser.4. This report, in full or part, shall not be reproduced, published, advertised, used for any legal action, Unless prior permission has been secured.5. Any anomaly/discrepancy in this report should be brought to the notice of the laboratory within 30 days from the date of issue.6. Details of test sub-contracted: Nil

End Of Report

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